Scout Keport sent out		e e e e e e e e e e e e e e e e e e e
Noted in the NID File		<b>,</b> , , , , , , , , , , , , , , , , , ,
Location map pinned	•	· ·
Approval or Disapproval Letter	- Ia Unit	-
Date <u>Completed</u> , P. & A, or operations suspended	11-24 59 shot In	
Pin changed on location map		
Affidavit and Record of A & P		
Water Shut-Off Test		
Gas-Oil Ratio Test		
Well Log Filed		•
\$1-11-62, as of?	Nov. 1961, Theo well was connecte	ed to gas line.

FILE NOTATIONS	
Entered in NID File	
Entered On S R Sheet	Checked by Chief
Location Map Planed	Copy NID to Field Office
Gard Ind-wed	Approval Letter
IW R for State on For Land	Disapproval Letter
COMPLETION DATA:	~~~~59
Date Well Completed	Location Inspected
OW WW CTA	Bond released
GOW L OS PA	State of Fee Land
Lo	98 FILED Well Huitary
1	Pressure Bill
Electric Logs (No. )	1
EI V	GR. GR. MMc
Lat	Sonie Others Others
Perforat	my depth Gotto O
Re-Drink	
	The same of the sa
FILE NOTATIONS	생각 가까지 뭐라면 하고 됐습니다. 남자 나는 이고 다
Entoned in NID Dills	그 : 사람이의 작용하는 하는 호텔은 하나 다른 것
Entered in NID File	Checked by Chief  Approval Letter  Approval Letter
Location Map Pinned Card Indexed	그는 사람들 경기 가득하는 이 경제들의 물이는 보다면 되었는 데바일다면 하루이는 어린 사람이 되었다.
Card indexed	Disapproval Letter
COMPLETION DATA:	보다 하다 가장 중에 가장하는 데 하루 세상이 되는 것이다.
Date Well Completed	Location Inspected
OW WW TA	Bond released
GW OS PÀ	State or Fee Land
LOGS FI	
Triller's Log. 12-13-68	그는 이 남자에 그렇지만 됐지 않는 물이 되었다.
Hectric Logs (No.)	
E I Duel I Lat	GR-N. W. Micro
BHC Sonic GR Lat	하기 교육 하는 것이 하다 이러 이번 교육 수 없었다. 그런 그렇게 하는 그 그는 그는 그는 그는 이 나는 그를 다 다 했다.
그는 그는 이 경에 가는 사람들은 사람들이 가장 가장이 되었다. 그는 사람들이 가장 사람들이 되었다. 그들은 사람들이 가장 살아 먹는 것이다.	그 그는 그는 그 그 그 그 그는 그는 그는 그는 그는 그는 그는 그는
CBLog CCLog Other	8

6-24-92 CHD

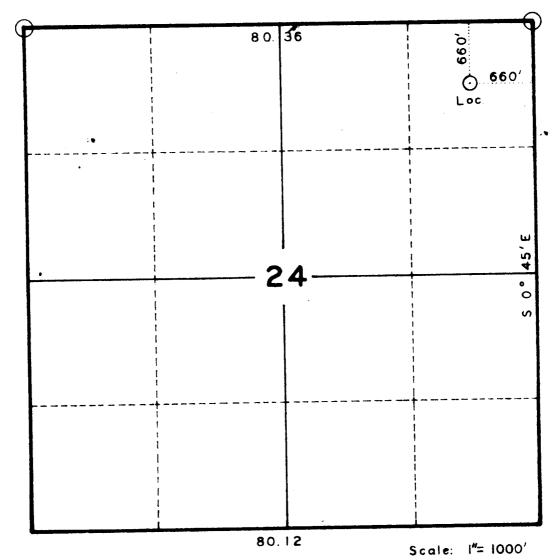
#### (SUBMIT IN TRIPLICATE)

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

	Budge	t Bure	au l	No. 4	12-R 31-60	358.4. ).	
Land	Office					city	
Lease	No.	-057	9	<b>-</b>			
Unit .	Dekai	B-	30	N	#	6	
	UTE 1	"RAI	L	177	II	•	

				<del> </del>
NOTICE OF I	INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
MOTICE OF	INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF	INTENTION TO TEST WATER SHU	T-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF	INTENTION TO RE-DRILL OR REP	AIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
1	INTENTION TO SHOOT OR ACIDIZ		SUBSEQUENT REPORT OF ABANDONMENT	1 1
1	INTENTION TO PULL OR ALIER (		SUPPLEMENTARY WELL HISTORY	
NOTICE OF	INTENTION TO ABANDON WELL			
	(INDICATE ABO	VE BY CHECK MARK NA	URE OF REPORT, NOTICE, OR OTHER DATA)	
		<b></b>	September 1	, 1959
MA <b>/L</b> M	5/k Sec. 2k. T		$\{\begin{array}{c} N \\ \bullet \end{array}\}$ line and $\{\begin{array}{c} 660 \\ \bullet \end{array}\}$ ft. from $\{\begin{array}{c} E \\ \bullet \end{array}\}$ line of section $\{\begin{array}{c} 1 \\ \bullet \end{array}\}$	24
(⅓ Se	ec. and Sec. No.)	(Twp.) (Rai	ge) (Meridian)	
Wildce	(Field)	County or Su	bdivision) (State or Territory)	
		DETAILS	OF WORK	
Spud in of 650 200 se Casing Aquage	n Vintah Formation O'. Surface Casin oks. Production C . communication 20	ive sands; show sizes, vong points, and all others, and all others, green River g- Set 250° c asing: Set 65°	reights, and lengths of proposed casings; indicate mudding important proposed work)  1250', Wassteh 5100'. Drill to £ 13-3/8", 48#, J-55 Casing comen color of 5-1/2", 17# & 15.5#, N-60 1 drill with water to 3000' then test as conditions warrant.	total depti ted with and J-55
Spud in of 550 200 sa Casing Aquage Will P	DEXALD AGRICULTUR	ive sands; show sizes, vong points, and all other , Green Rivey g- Set 250° c asing: Set 65° C cacks. Will will core and as conditions	reights, and lengths of proposed casings; indicate mudding important proposed work)  1250', Masstch 5100'. Prill to f 13-3/8", 48%, J-55 Casing comen color of 5-1/2", 17% & 15.5%, N-60 id rill with water to 3000' then test as conditions warrant.  The standard of the color of th	tetal dept ted with and J-55 convert to
Spud in of 550 200 sa Casing Aquage Will P	DEXALD ACRICULTUR	ive sands; show sizes, ving points, and all other, Green River 8- Set 250° c asing: Set 65°	reights, and lengths of proposed casings; indicate mudding important proposed work)  1250', Masstch 5100'. Prill to f 13-3/8", 48%, J-55 Casing comen color of 5-1/2", 17% & 15.5%, N-60 id rill with water to 3000' then test as conditions warrant.  The standard of the color of th	tetal dept ted with and J-55 convert to

## T9S, R20E



O - Corners located (Notched stone)

By: ROSS CONSTRUCTION CO. Vernal, Utah

PARTY
R. D. Ross
D. A. Freemyer

WEATHER Hot - Windy

SURVEY
DEKALB AGRICULTURAL ASSOCIATION, INC.
SUN OIL CO., UTE TRAIL UNIT, WELL NO.6
LOCATED CENTER NE/4, NE/4, SEC. 24, T 9 S,
R 20 E, SLB&M, UINTAH COUNTY, UTAH.

DATE 8/31/59
REFERENCES
GLO Survey Plat
Approved Aug. 1883
FILE Dekalb

FORM \$202

Form 9-331 a (Feb. 1951)

(SUBMIT IN TRIPLICATE)

#### UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land Office Salt Lake Cit	<b>:</b> y
Lease No. U-0579	

### Unit DeKalb-Sun # 6 Ute Trail Unit

NOTICE OF INTENTION TO DRILL	ANSR SHUT-OFFR REPAIR WELLACIDIZE	SUBSEQUENT REPORT OF WATER SHUT-OFF SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING SUBSEQUENT REPORT OF ALTERING CASING SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR SUBSEQUENT REPORT OF ABANDONMENT	R
(INDICAT		TURE OF REPORT, NOTICE, OR OTHER DATA)	100
		NI) (F)	
Vell No6 is locate	ed <b>663</b> ft. from	$egin{pmatrix} egin{pmatrix} egi$	of sec 24
NE/4 NE/4 Sec - 24		nge) (Meridiah)	
* *		abdivision) (State or Territe	 ory)
	0 1	is among to me to	
The elevation of the derrick	floor above sea level	18 _4758 IV. G.L.	
		S OF WORK	
			111 :
State names of and expected depths to	objective sands; show sizes, ing points, and all othe	weights, and lengths of proposed casings; indicate a r important proposed work)	nudding jobs, ceme
Spudded September  Drilled at 12-3/4"  Casing. Set at 30  plus 27 Calcium Ch	hole to 302' 1' K.B. Cement loride Cement 13, 1959 W.O. cation of los	0:00 A.M.  Ran 9 Jts. of 10-3/4" ted with 275 sacks regulerizedated to surface. C. 36 hours. Tested cos in pressure after 30 m	, 32#, J- ar cement Plug downsing to
Spudded September  Drilled at 12-3/4"  Casing. Set at 30  plus 27 Calcium Ch  at 4:30 A.M. Sept.  1,000# psi no indi  resumed drilling a	hole to 302' 1' K.B. Cement loride Cement 13, 1959 W.O. Cation of los t 6:00 P.M. S	o. 90 A.M.  Ran 9 Jts. of 10-3/4" ted with 275 sacks regul circulated to surface. C. 36 hours. Tested co s in pressure after 30 s ept. 14, 1959.	, 32#, J- ar cement Plug downsing to sinutes
Spudded September  Drilled at 12-3/4"  Casing. Set at 30  plus 27 Calcium Ch  at 4:30 A.M. Sept.  1.000# psi no indi  resumed drilling at  I understand that this plan of work  Company DENALB AGE	hole to 302' 1' K.B. Cement loride Cement 13, 1959 W.O. Cation of los t 6:00 P.M. S	o. 90 A.M.  Ran 9 Jts. of 10-3/4" ted with 275 sacks regul circulated to surface. C. 36 hours. Tested co s in pressure after 30 s ept. 14, 1959.	, 32#, J- ar cement Plug downsing to sinutes
Spudded September  Drilled at 12-3/4"  Casing. Set at 30  plus 27 Calcium Ch  at 4:30 A.M. Sept.  1.000# psi no indi  resumed drilling a	hole to 302' 1' K.B. Cement loride Cement 13, 1959 W.O. cation of los t 6:00 P.M. S	o. 90 A.M.  Ran 9 Jts. of 10-3/4" ted with 275 sacks regul circulated to surface. C. 36 hours. Tested co s in pressure after 30 s ept. 14, 1959.	, 32#, J- ar cement Plug downsing to sinutes

GPO 852040

# DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

	^ puroval	expired in	
LAMB OFFICE .	Salt	Lake	City
LEASE NUMBER			
UNIT III o	Trail	13mit	

## LESSEE'S MONTHLY REPORT OF OPERATIONS

<b>Ag</b> en	t's addi	ress	_ Dox	523	eren asama		., 1959.,	mpany De	Kalo Agri	cultural Assn., Inc.
Phon	e		107	73			Age	ent's title.	Product	ion Supt.
SEC. AT	Twr.	Ванов	WILL No.	Датя Расопово	Barrels of Oil		Cu. Fr. or Gas (In thousands)	GALLONS OF GASOLIES RECOVER"	BARRELS ON WAFER (If none, so state)	REMARKS  Of drilling, depth; if shut down, eccess; date and result of test for greeding content of gee)
NENE &	108	22E	1	-0-	an ()an	-0-	<b>-0</b> -	-0-	-()-	Shut In.
NENE 17	103	22E	2	-0-	~O~	-0-	-0-	-0-	-0-	Abandonec
NENE 16	108	22E	3	-0-	-0-	-0-	-O-	-0-	-()-	Shut In.
NENE 27	95	20E	L.	-0-	~()~	-0-	-0-	-0-	-0-	Shut In.
NENE 23	95	20E	5	-0-	~O~	-0-	m <b>O</b> m	~O~	-0-	Perforated and Frace Testing after frac, Xmas Tree installed Will Shut Well In.
vene 24	93	20E	6	<b>%</b> 0%	₩0	-0-	-0-	-0-	0-	Drilling at 5546* Shale
WNW 22	103	22E	පි	-0-	~O~	-O	-0-	~O~	-0-	Drilling at 1294' Shale
							·			

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-839 (January 1980)

16-98766-8 U. S. G. VERNMENT PRINTING OFFE

Construction / Form 9-330 24

Buc<sub>35</sub>t Bureau No. 42-R355.4. Approval expires 12-31-60.

U. S. LAND OFFICE Salt Lake City
SERIAL NUMBER U-0579

Lease or Permit to Prospect \_\_\_\_\_\_ **DeKalb-Sun # 6** 

**UNITED STATES** 

Ute Trail Unit

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WE

		CORRECTLY		_	_			1	1.
~						Box 523,			
Lessor	or Tract	Ute Tr	ail Un	<u>it</u>	Field	Wildcat	State	Ut	an
Well N	o <b>6</b>	Sec. 24 1	9 <b>S</b> R.	<b>20E</b> Meri	dian S.	L.M. Cou	inty	Uint	ah
Locatio	n 66 <del>9</del>	$\{\mathbf{t}, \{\mathbf{S}^{\mathbf{K}}, \}\}$ of $\mathbf{N}$	Line an	d 660 ft.	$\left\{ \begin{array}{c} \mathbf{E} \\ \mathbf{W} \end{array} \right\}$ of $\mathbf{E}$	Line of Sect	ion 24	_ Eleva	tion 4768.30
$\operatorname{Th}$	e informat	tion given he	erewith is	a complet	e and correct	record of the w		//	1111
so tar a	is can be u	etermined fr	om an av		gned	11. 0.	1 del	enso	
Date	Noven	ber 24,	1959		•	$Title_{}$	Geologi	st	
				ne conditio	n of the well	at above date.			
			-			ed drillingQ	ctober	9	, <sub>19</sub> 59
		<b>U</b>			S SANDS O				·
					enote gas by G)				
No. 1,	from6	236	. to6	274'	No. 4,	from	to		
No. 2,	from <b>6</b>	465	to6	491'	No. 5,	from	to		
No. 3,	from		. to		No. 6,	from	to		
,		1450 1700	to3	550' 715'	•	from			
	Ī			CASI	ING RECOR		Perfor	ated	<u> </u>
Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	From-	То—	Purpose
-3/4"	32#	8-rnd	J-55	, 286	None		Abras	jet	Surface
7.7	23#	8-rbd	F ា គ្នាអាស្ត្រ ទ <b>ា</b>	6525		i kang pang kang kang bilang. T <u>ang pa</u> kang pang kang	6248 6474	6266 6479	Producti
		·····	J=55 ≥₹78	MONTA G	Guide &	Float	04/4	04./.	
		· · · · · · · · · · · · · · · · · · ·							
			MUDD	ING AND	CEMENTI	NG RECORD			<del>-</del>
Size casing	Where set	Numb	er sacks of ce	ment	Method used	Mud gravity	An	nount of m	ud used
-3/4"	301	275	xs 2%	ca cl	Pump & P	Lug Water			
-3/-4				j					

FOLD

Form 9-881 a (Feb. 1951)

\*

### (SUBMIT IN TRIPLICATE)

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

	Budge Appro	et Bu	eau pire	No. 42-1 12-31-	R358 50.	1.4. 12.6
Land	t	-0	71	)		
	No.	g,	**	State	-	8
Unit .	1the	Tr	4	( lea	l.E	

GPO 862040

## SUNDRY NOTICES AND REPORTS ON WELLS

		1 11		*
	TO DRILL	1 1	ENT REPORT OF WATER SHUT-OFF	
	TO CHANGE PLANS		INT REPORT OF SHOOTING OR ACIDIZING.	
	TO TEST WATER SHUT-OFF	i la	INT REPORT OF ALTERING CASING	
	TO RE-DRILL OR REPAIR WELI	1 1	INT REPORT OF RE-DRILLING OR REPAIR.	
	TO SHOOT OR ACIDIZE		ENT REPORT OF ABANDONMENT	
	TO PULL OR ALTER CASING		ENTARY WELL HISTORY	
TICE OF INTENTION	TO ABANDON WELL			
	(INDICATE ABOVE BY CH	ECK MARK NATURE OF REP	ORT, NOTICE, OR OTHER DATA)	
			October 13	, 19 <del>.</del>
l No		(8)	andft. from $\left\{\begin{matrix} \mathbf{E} \\ \mathbf{w} \end{matrix}\right\}$ line o	f sec
In Mile Seas	. 24 7-9-5,	<u></u>	(Meridian)	
(1/2 Sec. and Sec.	No.) (Twp.)	(Range)	(Meridian)	
Mildes		(County or Subdivision)	(State or Territory)	)
(Field)		(004110) 01 022		
elevation of t	the derrick floor above	DETAILS OF W	llengths of proposed casings; indicate mu	dding jobs, cement
e elevation of t	ected depths to objective sand ing point	DETAILS OF Wels; show sizes, weights, and all other important	d lengths of proposed casings; indicate mu t proposed work)	
e elevation of the names of and expendent of the control of the co	See Classification and ing point of the control of	DETAILS OF Wels; show sizes, weights, and all other important to the important of the comment. Fing of comment of the comment	Hengths of proposed casings; indicate must proposed work)  Hengths of 525.42  Constant 5115 P. H. Octo	t at 6505† ber 7, 195 and free s
e elevation of the names of and expended with 1	St. Ren Clectric 77, 235, 5-60 s 3C senies regular det a later det	DETAILS OF Wels; show sizes, weights, and all other importants to the comment. The comment of th	Hengths of proposed casings; indicate must proposed work)  Hengths of 525.42  Constant 5115 P. H. Octo	t at 6505† ber 7, 195 and free s
e elevation of the names of and expended with 1 Tamperature be determined understand that the company	See Classification and ing point of the control of	DETAILS OF Wels; show sizes, weights, and all other important to the important of the comment. Fing of comment of the comment	Hengths of proposed casings; indicate must proposed work)  Hengths of 525.42  Constant 5115 P. H. Octo	t at 6505† ber 7, 195 and free s
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## (SUBMIT IN TRIPLICATE)

## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

	Budget Bureau No. 42-1 Approval expires 12-31-	2358.4. 10. <b>C16</b> 7
Land	U-0579	
Unit .	DeKalb - San	# 6
	Uto Trail Un	ie

	SUBSEQUENT REPORT OF WATER SHUT-OFF	
OTICE OF INTENTION TO DRILL.	STATE OF SHOOTING OR ACIDIZING	
OTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF ALTERING CASING	
OTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF DE DRILLING OR REPAIR.	
OTICE OF INTENTION TO RE-DRILL OR REPAIR WEL	SUBSEQUENT REPORT OF ARANDONMENT	
IOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT NEW DISTORY	
NOTICE OF INTENTION TO PULL OR ALIER CASING	SUPPLEMENTAL NEEDS OF THE STATE	
NOTICE OF INTENTION TO ABANDON WELL		
	HECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)	
(INDICATE ABOVE BY C	October 13	10.5
	October 13	, 19
ell No6 is located660	ft. from $\begin{bmatrix} N \\ \bullet \end{bmatrix}$ line and $\underbrace{660}$ ft. from $\underbrace{\begin{Bmatrix} E \\ \bullet \end{Bmatrix}}$ line of so	ec
7-9-9	9-20-5 S. L. N.	
(V Sec. and Sec. No.) (Twp.	(Range) (Meridian)	
Wilder	(Ct-t- on (Downtowt))	
he elevation of the derrick floor abo	(County or Subdivision) (State of Territory)	
tate names of and expected depths to objective sai	nds; show sizes, weights, and lengths of proposed casings; indicate muddi: ints, and all other important proposed work)	,
an Slocke	ands; show sizes, weights, and lengths of proposed casings; indicate muddinints, and all other important proposed work)	nt 65051
tal Depth 6505". Ran Sleets n 203 Jts. of 7", 23%, N-80	ie Logs. and J-55 Caming. Measured 5525.82*, set a sensent. Plug Pown at Sil5 P. M. October op of cement at 4520*. Will perforate an	at 6505° r 9, 195
tal Depth 6505*. Ran Bleetern 203 Ste. of 7", 235, N-80 mented with 350 manks regular Temperature Survey found to be determined at a later de	ie Logs. and J-55 Caming. Measured 5525.82*, set a second. Plug Foun at S:15 P. M. October top of cement at 4520*. Will perforate an ate.	at 6505° r 7, 195 d frac s
I understand that this plan of work must received  I understand that this plan of work must received  DEKALB AGRICULT	ic Logs. and J-55 Caming. Measured 5525.82*, set a sense J-55 Caming. Measured 5525.82*, set a sense J-55 Caming. Measured 5525.82*, set a set of J-55 Caming. Measured 5525.82*, set a set a set of J-55 Caming. Measured 5525.82*, set a	at 6505° r 7, 195 d frac s
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I understand that this plan of work must received  I understand that this plan of work must receive the plan of work must rece	ie Logs. and J-55 Caming. Measured 5525.82*, set a second. Plug Foun at S:15 P. M. October top of cement at 4520*. Will perforate an ate.	at 6505° r 7, 195 d frac s

Pulled gage at 11:40 AM and rerun with 180 hour aloak. On bottom at 12:40 PM, 6/18/62.

	Hours	Extension	Pressure @ 6450! IB
Time & Date	Shut in	inches	
	2 3 4 5 6 7	.529	919
	3	.542	العربي المراجع
	· · · · · · · · · · · · · · · · · · ·	.556 .566 .576	966
	5	•566	<b>963</b>
	6	•576	1001
	7	.503 .590 .596	1017
		.590	1085
	9	•596	109.6
	10	•¢305	10k
	12	.610	<b>106</b> 0
	14	.618	107h
	16	.6255	1068
	18	.6335	11.02
	20	.4395	1112
	22	.645	1122
	24	.651	1132
	28	.651 .661	1150
	32	6704	11.66
	36	.679	1181
	ro 20	.686	1193
		694	1207
	ish:		1218
	<b>16</b>	. 7005	1229
	52	. 706	1239
	56	.7125	1249
	60	.718	1259
	64	· 724	1040
	68	•730-	1269
	72	•735	1278
	78	·7425	1292
	84	.The 5	1305
	<b>90</b>	.757	1317
	<del>96</del>	. 76 <b>b</b>	ນຂາ
	102	•770	nie
	106	.7765	<b>135</b> 0
	231	. PS2	1360
	3.20	.7875	1370
	326	e 793 5	1380
		. 79 <b>9</b>	1389
	(F)	.804	1398
	Di.	.3085	11:07
	190	,87.h	1416
	156	.819	1434
	3.63	, 8235	1132
	3.50 3.50	. <b>82</b> 8	1146
	<b>AO</b> 0	& OK U	€ order (p. 4

Ongo galace is 12 de 19, 6/25/60.

Bottom hols temperature - 166° F.

#### UTE TRAIL # 6

6=9-62 Ran two hour flowing test with Northern Petroleum Engineering Co. Amerada Bomb, with 1st hour shut in. Shown below is the dead weight surface pressures.

ISITP 2537 psig 8-17-61 ISIBHP 2958 psig @ 6100'
ISICP 2544 psig 8-17-61
First Production November 7, 1961
Accumulative Gas Production through June 19, 1962 46,504 MCP

#### SEVEN DAY BUILD UP

		SIPT	SIPC	
DATE	TIME	psig	psiq	REMARKS
6-19-62	10:40 A.M.			S.I. Well & Run 3 Hr. Clock
	12:00 P.M.			Out of hole w/bomb GHT 1680
	1:00 P.M.	617	819	
• ,	3:00 P.M.	658	859	
6-20-62	3:00 P.M.	818	1007	
6-21-62	3:00 P.M.	895	1074	
6-22-62	3:00 P.M.	<b>95</b> 3	1123	
6-23-62	3:00 P.M.	1002	1164	
6-24-62	2:25 P.M.	1046	1198	
6-25-62	3:00 P.M.	1085	1230	
6 <b>-26-62</b>	10:30 A.M.	1115	1254	Pull bomb end 7 day Shut In

See Northern Petroleum Engineering Company's report for Bottom Hole Pressure.

## DeKALB ADRIGULTURAL ASSOCIATION, INC.

## Ute Trail #6, Uintah County, Utah

## PRESSURE BUILDUP SURVEY 6/18/62 to 6/25/62

A flowing pressure gradient was run with Amerada RPO 3 pressure gage #17863N (0 to 3500 psi) and a 3 hour clock at 18:24 AM, 6/18/62. The following stops were made:

KB DEPTH	EXTENSION inches	PRESSURE poig	GRADIENT psi/ft
0	<b>.3</b> 06	530	
1000	324	561	.031
2000	J58	621	•060
3000	J 89	657	.086
hooo	وايار	727	.070
5000	<b>کیل</b> یاء	774	oOk7
5500	.1.58	7 <del>9</del> 5	. Ob2
6000	.1169	811	. O\$ 8
6250	0474	829	.Obo
6450	.478	830	•035

The above gradient shows no fluid in the hole. The gage was on bottom at 10:2k  $\Delta M_{\odot}$ 

Time & Date	Hours Flowing	inches	Pressure @ 6450' &
10:24 AM, 6/18/62 10:30 AM 10:35 AM 10:100 AM	Flow1812 R	.1.78 .1.78 .1.79 .1.80	830 831 833
Wall shut in at 10:10	AN, 6/28/62.	Extension	
Tim & Date	State 19	inches	Prosente @ 6450 P
	0 1/2 1/2 1/2	*202 ° 1780 ° 1780	<b>&amp;3</b> &31 &65 &78

c 512

889



#### UTE TRAIL # 6

6=9-62 Ran two hour flowing test with Northern Petroleum Engineering Co. Amerada Bomb, with 1st hour shut in. Shown below is the dead weight surface pressures.

ISITP 2537 psig 8-17-61 ISIBHP 2958 psig @ 6100'
ISICP 2544 psig 8-17-61
First Production November 7, 1961
Accumulative Gas Production through June 19, 1962 46,504 MCF

#### SEVEN DAY BUILD UP

		SIPT	SIPC	
Date	TIME	psig	psig	REMARKS
6-19-62	10:40 A.M.			S.I. Well & Run 3 Hr. Clock
	12:00 P.M.			Out of hole w/bomb &HT 1680
	1:00 P.M.	617	819	
	3:00 P.M.	658	859	
6-20-62	3:00 P.M.	818	1007	
6-21-62	3:00 P.M.	895	1074	
6-22-62	3:00 P.M.	<b>95</b> 3	1123	
6-23-62	3:00 P.M.	1002	1164	
6-24-62	2:25 P.M.	1046	1198	
6-25-62	3:00 P.M.	1085	1230	
6-26-62	10:30 A.M.	1115	1254	Pull bomb end 7 day Shut In

See Northern Petroleum Engineering Company's report for Bottom Hole Pressure.

## DeMALB AGRICULTURAL ASSOCIATION, INC.

### Ute Trail #6, Uintah County, Utah

## PRESSURE BUILDUP SURVEY 6/18/62 to 6/25/62

A flowing pressure gradient was run with America RFG 3 pressure gage #17863N (0 to 3500 psi) and a 3 hour clock at 10:2k AM, 6/18/62. The following stops were made:

KB DEPTH	EXTENSION inches	PRESSURE peig	CRAILENT poi/ft
0	<b>3</b> 06	<b>5</b> 00	
1000	324	561	.031
2000	J58	<b>621</b>	•060
		•••••	.086
3000	389	657	.070
1,000	.419	727	-Ok7
5000	کیلیا۔	774	
5500	.458	7 <del>9</del> 5	. Chi2
6000	.469	8377	.088
6250	•474	• • • • • •	• <b>0•</b> 0
-		<b>883</b>	.035
6450	.478	830	

The above gradient shows no fluid in the bale. The gage was on bottom at 10:2k AM, 6/18/62.

Time & Date	Hours Floring	Extension inches			
10:24 AM, 6/18/62	floring	.478	800		
10:30 AM	•	e478	830		
10:35 AM 10:40 AM	•	e479	831		
TO \$ TO WW	•	<i>₀</i> <b>₩80</b>	833		

Well shut in at 10:10 AM, 6/18/62.

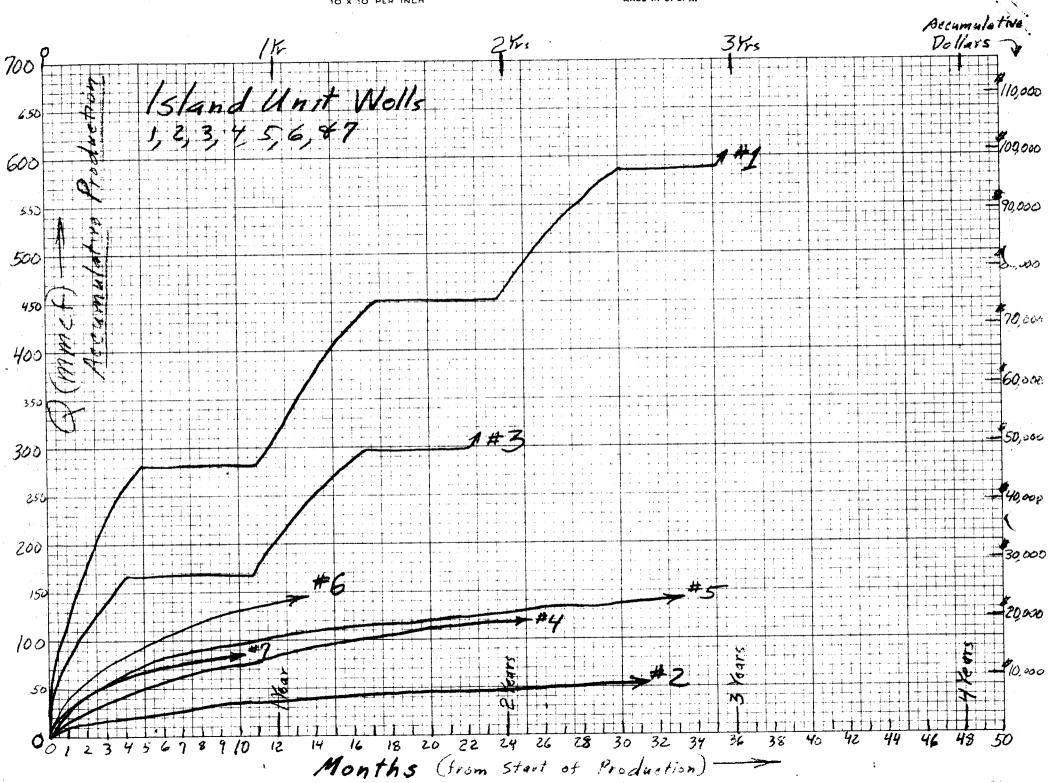
Time & Date	Hours	Extension inches	Pressure @ 6450' KB
	0	.480	803
	1/4	.490	
	1/2	.498	853. 865
	3/4	<b>.\$0</b> 5	878
	1	.512	889

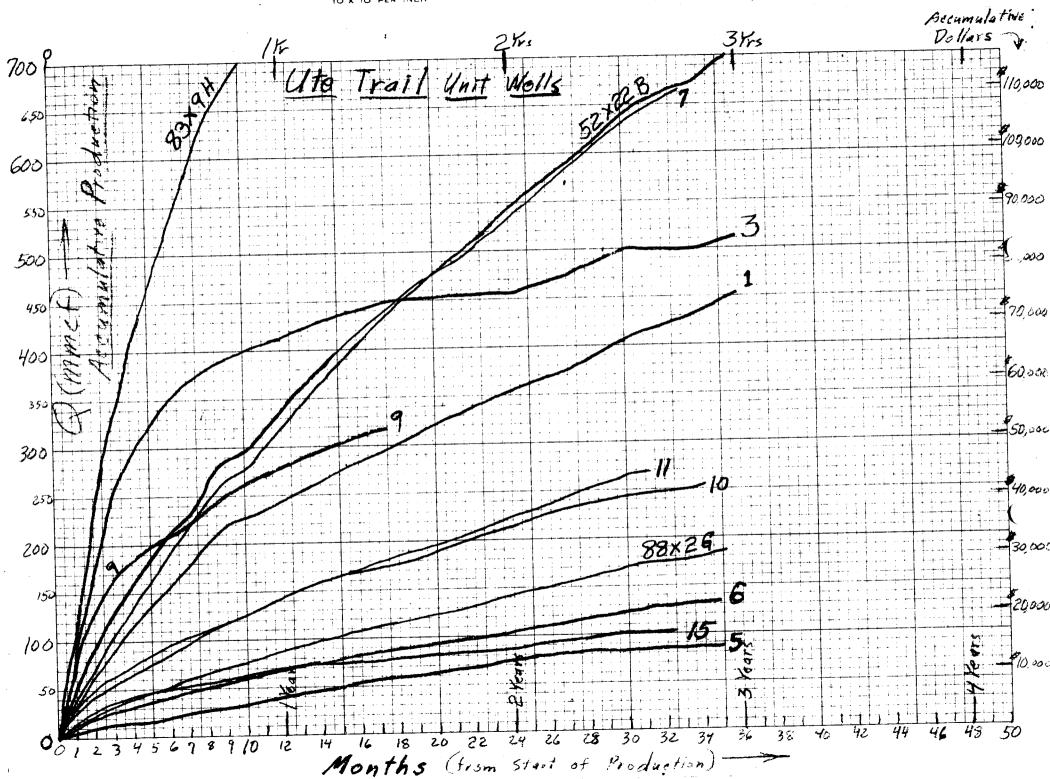
Pulled gage at 11:40 AM and rerun with 180 heur cleck. On bettom at 12:40 PM, 6/18/62.

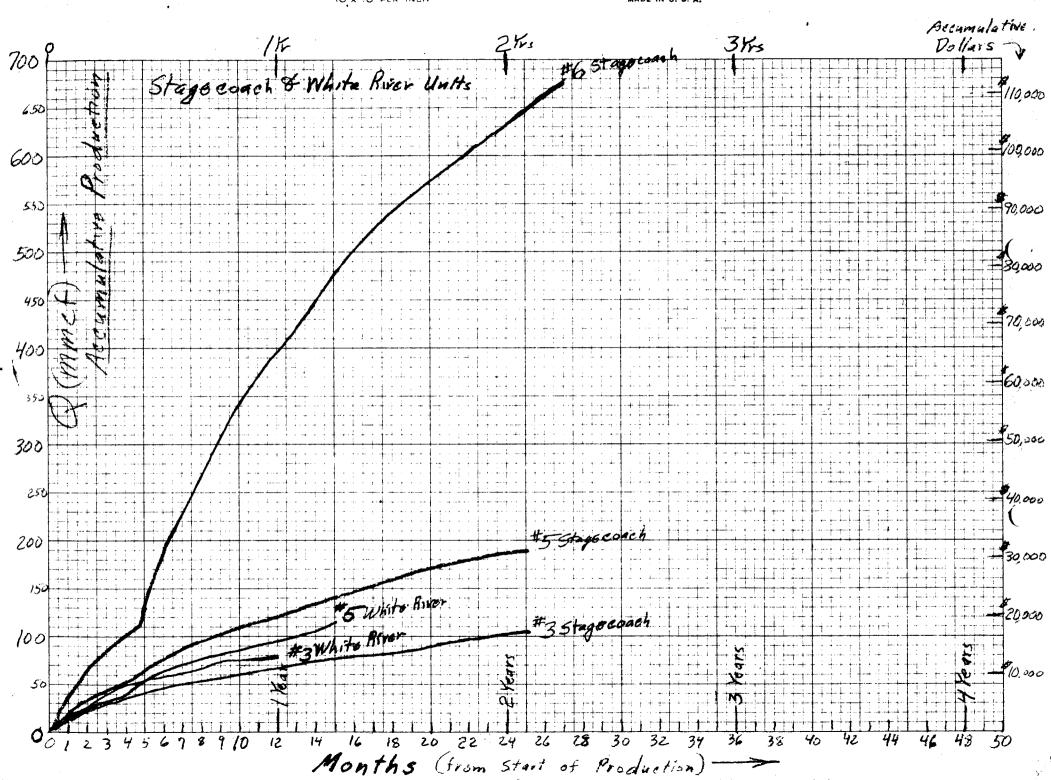
Time & Date	Hours Shut in	Extension inches	Pressure @ 64501 13
	2	.529	929
•	2 3 4 5 6 7 8	•91 <del>2</del>	945
	4	•5 <b>56</b>	966
	5	.566	<b>963</b>
	6	•566 •576	1001
	7	• 583 • 590	1017
	8	•590	1025
	9	.5%	1096
	10	.6005	10h
	12	.610	1060
	1) <sub>1</sub>	.618	107k
	16	.6255	1088
	18	-6335	1100
	20	<b>.69</b> 95	1112
	2 <b>2</b>	.645	1122
	24 26	.651 .661	1132
		6407	11.50 11.66
	32 36	.6704 .679	1161
	<b>110</b>	.686	11.55
	lele	.694	1207
	<del>1</del>	.1905	1218
	Ť	.706	1229
	\$2 56 60	.7125	1299
	60	.718	1249
	64	.724	1259
	68	•730 <del>-</del>	1260
	72	•730 - •735	1969 1270
	78	·7425	1298
	älı	.71.05	1305
	90	•757	1317
	96	•157 • 764	1329
	102	.770	1340
	108	.7765	1350
	11),	.782	1360
	120 126	. 762 . 7875	1370
	126	•793.5	1380
	132 138 114 150	•79 <b>9</b>	1389
	138	.804	1396
	144	-8085	1407
	150	.81.h	1416 1424
	156	.819	1 <b>424</b>
	162	.8235	1102
	168	.828	1440

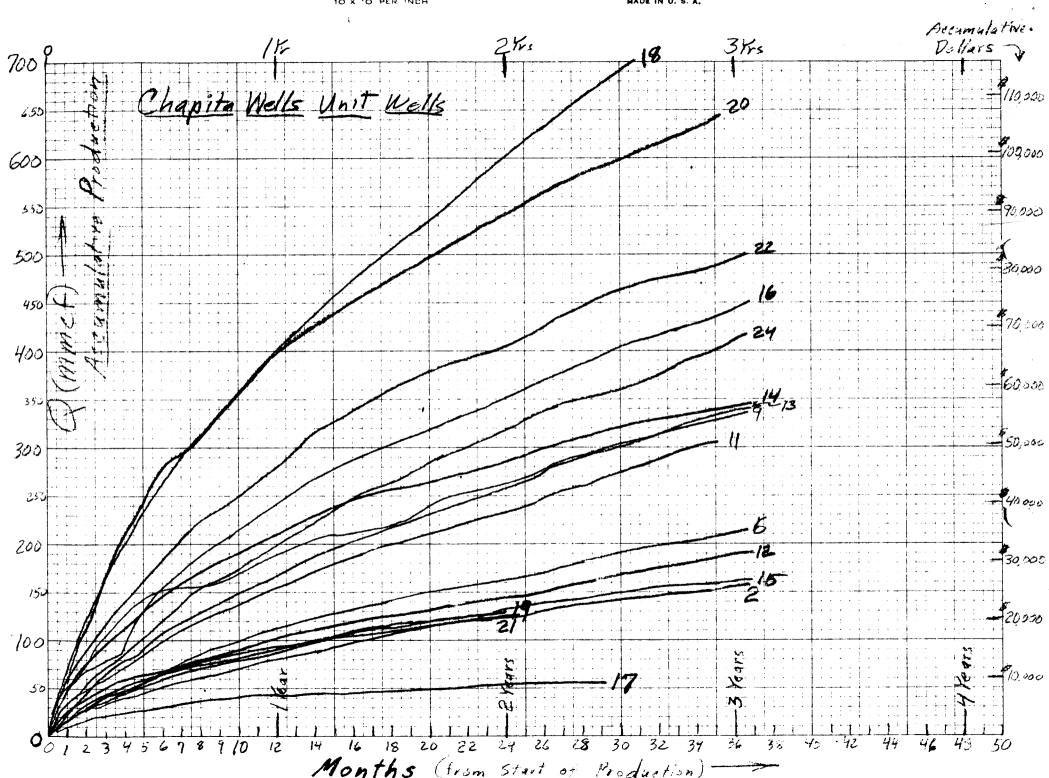
Cage pulled at 12:40 FM, 6/25/62.

Bottom hele temperature - 1680 F.

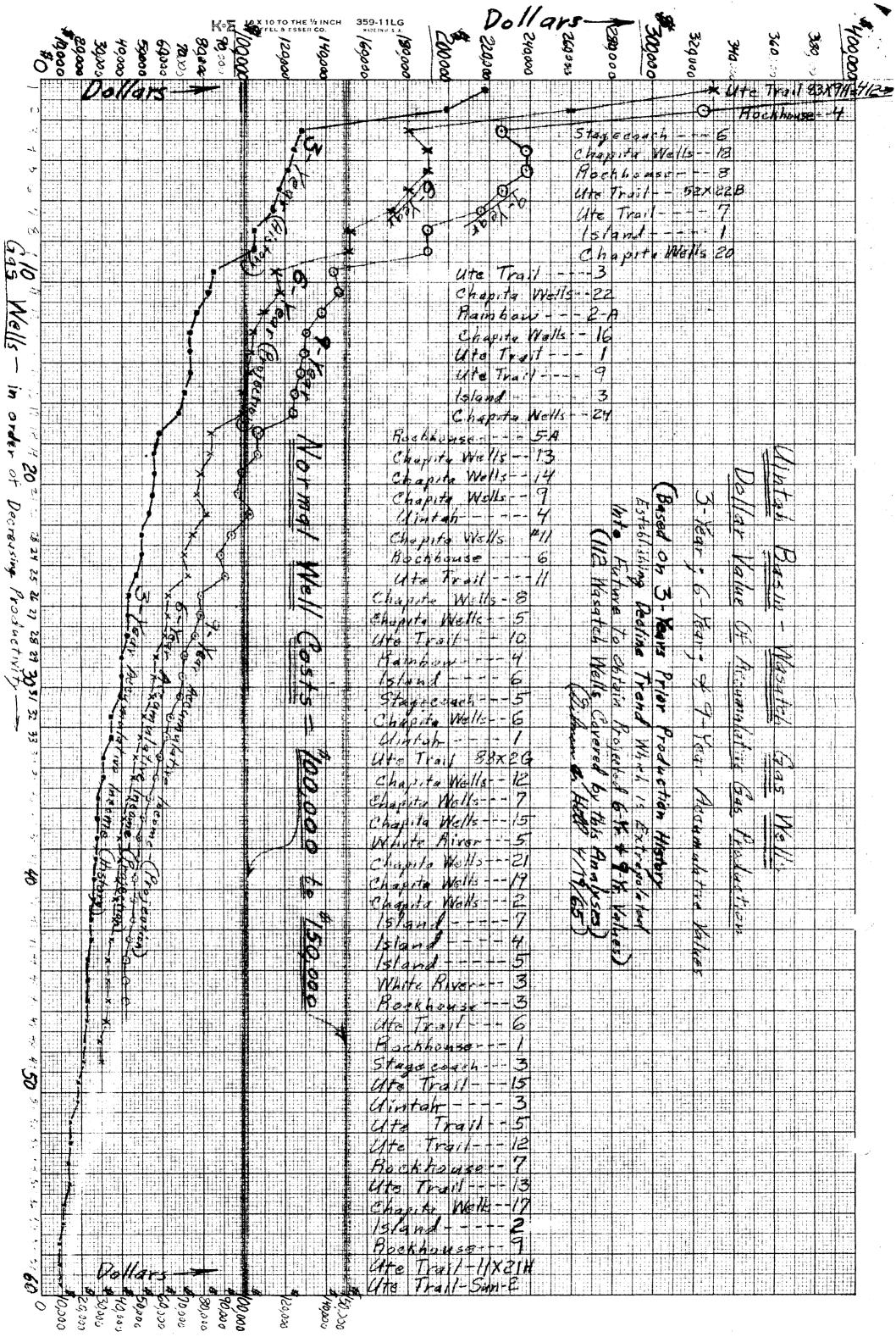








	Uintah Basin	3 Year				
					rs Total	
	Wasatch Gas Prod. Unit & Well No.	Accumula mmef		Accumul		
1	Ute Trail 83×9H		Dollars		Dollars	
2			218000		330,000	
3			190,000	1,575	260,000	
4		780	128,000		181,000	
5		760	125 000	/ I	190,000	
6		740	122000		190,000	<del></del>
7	Ute Trail 52 x 22B	7/0	117,000	1100	181,000	
8		700	115,000	1,050	173,000	
9		640	105,000	920	152000	
10	, L	640	105,000	920	152,000	
11		515	85000	700	115,000	
12	0 1 1	500	82500	720	118,000	
13	Mainbow L'H	470	77,500	670	110,000	
	Chapita Wells #16	450	74,000	640	105,000	
14		450	74,000	635	104000	
15	4 7	33 I I I	74,000	620	103000	
16		430	71,000	610	100,000	
17	Chapita Wells #24	410	68,000	600	99,000	
18	Rockhouse #5-A	355	58,500	510	84000	
19	Chapita Wells #13	340	56,000	510	84000	
20	Chapita Walls #14	340	56000	480	79,000	
21	Chapita Wolls + 9	335	55,000	470	77,500	
22	Uintah #4	325	53500	500	82,500	
23	Chapita Wells #11	305	50,300	455	75,000	
Ω4	Mockhouse #6	305	50,300	730	71,000	
25	Utc Trail #11	290	47,800	440	72,500	
26	Chapita Wells # 8	270	44,500	380	63000	
27	Chapita Wells 5	260	43,000	380	63000	
28	Ute Trail #10	260	43000	370	61,000	
29	Rainbow #4	243	40,000	345	57,000	
30	/sland #6	240	39600	340	56,000	
31	Stage coach #5	235	38,800	335	55,000	
32	Chapita Wells 6	210	34600	310	51,000	
33	Uintah #1	210	34 600	300	49,500	
34	Uto Trail 88×26	190	31,400	285	47,000	
35	Chapita Wells # 12 Chapita Wells # 7	190	31,400	280	46,000	
36	Vhaaita Wells #7	/73	28,500	265	43600	
37	Charta Wells 15	170	28,000	250	41,200	
38	White River #5	170	28,000	240	39,600	
39	Chapita Wells #21	165	27200	240	39600	
40	Chapita Wells #19	160	26400	230	38000	
41	Chapita Wells #2	158	26,000	222	37,000	
42	Island #7	155	25600	225	37000	
43	Island #4	150	24800	215	35,400	
44	Island #5	140	23100	205	33.800	
75	White River #3	140	23/00	205	33,800	



AND

WELL HISTORY

DEKALB SUN #6 UTE TRAIL UNIT NE NE 24, T-9-S, R-20-E UINTAH CO., UTAH

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OPERATOR: DeKalb Agricultural Assn., Inc.

WELL: # 6 Ute Trail Unit

LEASE: U-0579

LOCATION: 660' FNL, 660' FEL of section 24, T-9-S, R-20-E

Uintah County, Utah

ELEVATION: 4758' G.L., 4771' K.B.

COMMENCED: September 11, 1959 (4:00 PM)

SET SURFACE: September 13, 1959 (4:30 AM)

FROM UNDER SURFACE: September 14, 1959 (7:30 PM)

REACHED TOTAL DEPTH: October 7, 1959 (4:30 PM)

COMPLETED: November 24, 1959

TOTAL DEPTH: 6505' Driller; 6508' Schlumberger

LITHOLOGY BY: M. C. Johnson

CASING: Surface: Set 10-3/4", 32#, J-55, 8rnd. thrd. csg.

at 301' K.B. with 275 sxs reg. cement,

plus 2% Ca Cl.

Production: Set 7", 23#, N-80 and J-55, 8rnd thrd.

csg. at 6505' K.B. with 350 sxs regular

cement.

PERFORATIONS: Abrasijet perforations with 3 holes per stage with stages

at 6248', 6253', 6258', 6263', 6268', and 6474' and

6479'.

PRODUCTION: 3,000 MCFGPD

HOLE SIZE: 13-3/4" Hole to 302'.

8-3/4" Hole from 302 to 6505'.

CONTRACTOR: MIRACLE AND WOOSTER DRILLING COMPANY

TYPE RIG: Wilson Super Giant.

#### FORMATION TOPS FROM ELECTRIC LOGS:

Spudded in Uintah Formation

Green River Formation 1642' (/ 3129')

Wasatch Formation 5050' (- 279')

Total Depth 6505'

LOGS: Schlumberger: Induction-Electric 301 to 6508' Sonic - S.P. 301 to 6508' Micro - Log 5304 to 6507' McCullough: Temperature 3000 to 4900' Lithologic 1000 to 6505'

DRILLING TIME: One foot drilling time was maintained by means of a Geolograph.

SAMPLE PROGRAM: One set of wet samples was caught every 10 feet and sacked in cloth bags.

CORES: No Cores were taken.

#### DRILL STEM TESTS:

DST # 1, 6460 to 6505', ISI 30", T.O. 60", FSI 30". Gas to surface in 42 minutes at a rate too small to measure. Burned with 3 to 4' flare. Recovered 630' HGCM. ISIP 1728 PSI, IFP 293 PSI, IHP 3388 PSI, FSIP 1326 PSI, FFP 307 PSI, FHP 3356 PSI.

#### MUD PROGRAM:

Fresh water and native mud was used for a drilling medium from under surface casing to 1731 feet. At 1731 feet the mud system was converted to gasiated water drilling and the hole was drilled to 6142 feet using this method before the hole commenced sloughing. While using gasiated water one sack of lime was added per hour to prevent corrosion and Afrox was added to assist in cleaning the samples out of the hole. After penetrating the Wasatch formation Driscose and diesel oil were added in order to prevent sloughing of the red beds, however, at 6142 feet it became necessary to convert to a chemically treated gel mud to complete the hole.

LOST CIRCULATION: A minor lost circulation zone was encountered at 1110 to 1175 feet. No other notable lost circulation zones were encountered.

WATER FLOWS: A minor amount of water was encountered while drilling through the fractured shales and thru sandstones of the Green River formation. Gas entrained in the water caused it to flow.

SHOWS OF OIL & GAS: Residual oil stain was noted in almost all porous sands in the Uinta formation.

Scattered residual to live oil and gas shows were noted in the oil shales and sands of the Green River formation Three low quality porous sands (5912,6236 and 6465), were penetrated in the Wasatch formation. The lower two were perforated and fraced and produced a surprising amount of gas.

#### COMPLETION PROCEEDURE:

Zone: 6248 to 6268' and 6473 to 6478' abrasijeted with 3 holes per stage. Spearheaded frac with 500 gallons of mud acid. Fraced down tubing and casing with 26,900 gallons of treated salt water, and 52,000 pounds of 20/40 mesh sand. Initial breakdown 1200 PSI. Maximum treating pressure 2400 PSI, minimum 2250 PSI. Average injection rate 42 bbls per minute. Immediate shut in pressure 2000 PSI, one hour shut in 1800 PSI.

#### BIT RECORD

			DEPTH				
NO.	SIZE	MAKE	TYPE	FROM	TO	<u> PEET</u>	HOURS
<b>n</b> 5	3.3. 3./48	11750	000	•			
1 '	13-3/4"	HTC	osc	0	62	62	
2	13-3/4"	HTC	osc	62	302	240	10.1/0
3	8-3/4"	SEC	8-4	302	748	436	10-1/2
4	8-3/4"	HTC	osc-1g	748	1222	474	12
5	8-3/4"	HTC	osc-lg	1222	1333	111	
6	8-3/4"	REED	YTq	1333	1404	71	4-3/4
7	8-3/4"	REED	YSI	1404	1537	134	6-3/4
8	8-3/4"	SEC	s-6	1537	1584	47	4-1/2
9	8-3/4"	HTC	osc-1g	1584	1632	48	6-3/4
10	8-3/4"	SEC	M4N	1632	1692	60	7
11	8-3/4"	SEC	M4N	1692	1734	42	7
12	8-3/4"	SEC	M4N	1734	1791	57	8
13	8-3/4"	HTC	OWV	1791	1919	128	8-3/4
14	8-3/4"	REED	YS	1919	2071	152	11
15	8-3/4"	REED	YS	2071	2260	189	12-1/4
16	8-3/4"	REED	YS	2260	2488	228	10-3/4
17	8-3/4"	SEC	M4N	2488	2800	312	14-1/2
18	8-3/4"	SEC	M4N	2800	3121	321	12-1/2
19	8-3/4"	SEC	M4N	3121	3363	242	11-3/4
20	8-3/4"	REED	YM	3363	3646	283	12-1/4
21	8-3/4"	SEC	Y4L	3646	3893	247	12-3/4
22	8-3/4"	SEC	M4L	3893	4186	293	13-1/4
23	8-3/4"	REED	YM	4186	4560	374	14-1/2
24	8-3/4"	REED	YM	4560	4794	234	10-3/4
25	8-3/4"	REED	YSI	4794	<b>5020</b>	226	8-3/4
26	8-3/4"	HTC	OWV	<b>502</b> 0	5527	507	15-3/4
27	8-3/4"	HTC	OWV	5527	5700	173	8-3/4
28	8-3/4"	HTC	OWV	5700	5887	187	11-1/4
29	8-3/4"	HTC	OWV	5887	6142	255	11-1/4
30	8-3/4"	REED	YM	6142	6188	38	8-1/2
31	8-3/4"	SEC	M4N	6188	6313	125	18
32	8-3/4"	SEC	m4n	6313	6448	135	19-1/2
33	8-3/4"	SEC	M4N	6448	6505	<b>5</b> 7	6-1/2

#### SLOPE TEST

60'		1/40	1222' -	10
120'	-	1/20	1632' -	3/40
219'	-	1/20	1988' -	3/40
730'	-	1/20	3226' -	

#### UTE TRAIL UNIT WELL # 6

9-5-59	Rigging down Rotary Rig @ # 5 Moving to # 6		
9-6-59	Rigging up Rotary Rig laying Gas Line, Digging Cellar 15 men, 8 hour each.		
9-7-59	Finish laying Gas Line, Rigging up, Digging Cellar 15 men, 8 hours each.		
9-8-59	Rigging up Rotary Rig 15 men, 8 hours each.		
9-9-59	Rigging up Rotary Rig 15 men, 8 hours each.		
9-10-59	Rigging up installing new Air Lines, Raise Derrick, put in conductor, Pipe and Rotary table, pick up Swivel and Kelly, preparing to drill Rat Hde.		
9-11-59 0-52 spud @ 4 PM	Drilling with Mud and Water.  Momning tour, drilling Rat Hole. Day Tour Drilling Rat  Hole, miscellaneous repairs. Evening tour 52' - 8 hours  drilling, Drilling Surface Hole 0' - 52' Shale. 12  Mid. 8:00 A. M. Drilling Rat Hole, 8:00 A. M. to 9:00  A.M. servicing Rig 1/4 drilling 3/4. Repair Air Lines  and install cat Head 3 Hours. Drilling and Reamed Rat  Hole 4 hours, finish @ 4:00 P.M. Spud Surface Hole 13-3/4  OSC Bit No. 1 @ 4:00 P. M. still Drilling @ 12 midnight,  used 25 sacks Gel.		
9-12-59 52'-293'	Drilling with Mud and Water WT 8.7, Vis. 44.  Morning tour 58' - 52' to 110' (7 hours drilling) Shale  Day tour 61' - 110' to 171' (6 Hours Drilling) Shale  Evening tour 122' - 171' to 293' (8 hours Drilling) Shale.  Drilling with 13-3/4" Bit til 2 A. M., Trip, back in hole  with 13-3/4" OSC Bit No. 2 @ 2:45 A.M. Drill til 4:00  A.M. Survey 1/4 hours Drill til 8:00 A.M. Service Rig  1/4 hour, Drill til 8:45 A.M. Repairing Rig til 10:30  A.M. Drill til 1:45 P.M. Survey til 2:00 P.M. Drill  til 12 midnight. Used 32 sacks Gel, Morning 15 sacks  Gel, Evening Survey @ 60' 1/4°, @ 120' 1/2° @ 219' 1/2°  Mud WT 8.7, Vis 44 and 8.8, Vis. 46 and 8.8, Vis 50.  Bit No. 1 made 62' - 10 hours, 0' to 62', Shale.		

Drilling with Mud and Water WT 8.0, Vis 58.

Set Surf. Csg. Day Tour Running 10-3/4" Surface Casing. Evening tour

Morning Tour 9' - (1/2 hour. Drilling) 293' to 302'.

9-13-59

293-302

W.O.C and Nippling up. Drilled til 12:30 with 13-3/4"
Bit to 302', Circulated 1/2 hour, trip, Rig up run 9
joints 10-3/4", 32#, J-55, 8rd Casing that measured
286.80. Set @ 301' - KDB cement with 275 sacks rig cement
plus 27 CC cement. Circulate to surface, plug down @
4:30 A.M. W.O.C. Bit No. 2 made 240' - 19-1/2 hours
62' to 302' Shale.

9-14<del>9</del>59 302-503' Drilling with water.

Morning tour mippling up and W.O.C. Day tour nippling up and W.O.C. Evening tour 201' (4-1/2 Hours drilling) 302' to 503' Shale. W.O.C. and nippling up til 9:00 A.M. Started drilling mouse hole, finish @ 4:00 P.M.. Reset Rotary table, Preparing to drill. Install B.O.P., go in hole with 8-3/4" S-4 Bit No 3, Pressure casing to 1000# PSI Held pressure 30 min., Ok, start drilling cement @ 242' @ 6:00 P.M. Finish drilling cement @ 7:30 PLM. Drilled out from under surface casing @ 7:30 P.M. Still drilling @ 12 midnight.

6-15-59 503-1285' Drilling with water.

Morning tour 238' (6 hours Drilling) 503' to 741', Shale. Day tour 293' (7-1/2 hours Drilling) 741' to 1034' Sand and Shale. Evening tour 251' (5-3/4 Hours Drilling) 1034' to 1285' Sand and Shale. drill til 12:30 A.M., Service rig 1/2 hour, Drill til 6:00 A.M., trip, Back in hole with 8-3/4" OSC1-G Bit No. 4 @ 7:00 A.M., 1/2 hour washing to bottom, start drilling @ 7:30 A.M., Drilled til 8 A.M. Service Rig 1/4 hours. Drilled til 10:00 A.M., clean and jet, shale pit 1/4 hour, Drill til 5:30 P.M., Repair clutch 1/2 hour. Drilled til 6:45 P.M., Build volumn in pits 1/4 hour, drill til 9:15 P.M., Service 1/4 hour, trip, back in hole with 8-3/4" OSC1-G. Bit No. 5 @ 10:45 P.m. Still drilling @ 12 midnight, Survey @ 730' - 1/20', @ 1222' - 10. Bit No. 3 made 436' - 10-1/2hours, 302 to 738', Sand and Shale. Bit No. 4 made 474' 12 hours, 738 to 1222' Sand and Shale.

9-16-59 1285-1562' Fishing Job Drilling with water.

Morning tour 56' (2-1/4 hours Drilling) 1285' to 1341' sand and Shale, Day tour 109 (5-1/4 hours Drilling) 1341' to 1450' sand And Shale. Evening tour 112' (6-1/2 hours drilling) 1450' to 1562' sand and Shale. Drilled til 1:15 A.M., twisted off, trip out, pick up Bowen Over Shot, went in hole Caught fish, trip out with fish (2 drill collars) Broken Box lay down fish, trip, on bottom with

8-3/4" Reed YT Bit No. 6 @ 7:00 A.M., Drilled til 8:00 A.M., Service Rig 1/4 hour. Drill til 11:45 A.M. Survey 1/4 hour, trip, Back in hole with 8-3/4" YSI Bit No. 7 @ 1:30 P.M. Drill til 8:15 P.M., trip, back in holw with 8-3/4" s-6, Bit No. 8 @ 9:45 P.M., Still drilling @ 12 midnight. Bit No. 5 made 111'3- 3/4 hours 1222 to 1333' Sand and Shale. Bit No. 6 made 71' 4-3/4 hours 1333 to 1404' Sand and Shale. Bit No. 7 made 134' 6-3/4 hours 1404 to 1538' Sand and Shale.

9-17-59 1562-1692' Fishing Job Drilling with Water.

Morning tour 26' (2-1/2 hours Drilling) 1562 to 1588' Sand and Shale. Day tour 44' (6-3/4 hours drilling) 1588 to 1632' Sand and Shale. Evening tour 60' (7 hours Drilling) 1632 to 1692' Sand and Shale. Drilled til 2:30 A.M., twisted off, trip out, back in hole with Over Shot, caught fish, trip out with fish (Broken Box on Drill Collar) © 6:00 A.M., Back in hole with 8-3/4" OSC-G Bit No. 9, © 7:00 A.M. Drilled til 8:00 A.M., Clean pit and service Rig 1/2 hour, Drilled til 1:15 P.M. Survey and Trip. Back in hole with 8-3/4" M4N Bit No. 10 @ 4:00 P.M. Drilled til 11:00 P.M., trip coming out of hole @ 12 midnight. Survey @ 1632 - 3/4

Bit No. 8 made 47' 4½ hrs. 1538 to 1584, Sand and Shale. Bit No. 8 made 44' 6-3/4 hrs. 1584 to 1632, Sand & Shale. Bit No. 10 made 60' 7 hrs. 1632 to 1692, Sand and Shale.

9-18-59 1692-1734' Prep. to Gas Drill Drilling with water.

Morning tour 39' (7hrs. Drilling) 1692 to 1731', Sand & Shale Day tour 3' \$1/2 hrs. drilling) 1731 to 1734', Sand and Shale Evening tour 0' preparing to Drill with gas. Out of hole 12 midnight, Service rig 1/4 hour, trip in, Back in hole with 8-3/4" M4H Bit Mo.11 \$2:00 P.M. Drilled til 8:30 A.M., trip out to hook up and drill with Gas, Finish hook up start back in hole \$2:1:00 P.M.

Bit No. 11 made 42' 7 hrs. 1692' to 1734', Sand and Shale.

9-19-59 1734-1894' Drilling with Water and Gas.

morning tour 24' (3 hrs. Drilling 1 hr. Circ.) 1734 to 1758' sand and Shale. Day dour 33' (5 hrs. drilling 1/2 hr. circ.) 1758 to 1791', Sand and Shale. Evening tour 103' (6½ hrs. Drilling) 1791 to 1894', Sand and Shale. Finish trip, back in hole with 8-3/4" M4W Bit No. 12 @ 2:00 A.M., Install Rotating Head, 1 hr, Circulateing 1/2 hr. wait on water and fill pits 1/2 hr. Start Drilling @ 5:00

A.M., Drilled til 1:00 P M., circulate 1/2 hour, trip, Gas freezing @ Gas Well, Put Rig Motors on Butane, Finish Trip, Repair Regulator @ Gas Well, and Trip in, Back in hole with 8-3/4" OWV Bit No. 13 @ 5:30 P.M. Still Drilling @ 12 midnight. Used 12 sacks Lime. Bit No. 12 made 57' - 8 hrs. 1734' to 1791, Sand and Shale.

Drilling with Gas and Water.

9-20-59 1894-2090'

Morning tour 44' (3-1/2 hrs. drilling 1/2 hrs. circ.) 1894' to 1939', Sand and Shale. Day tour 70' (5-3/4 hrs. Drilling) 1938 to 2008', sand and Shale. Evening tour 82' (4-1/2 hrs. Drilling 1/2 hrs. Circ.) 2008' to 2090' Sand and Shale. 12 A.M. to 1:00 A.M. 1/4 hr. service rig, 1/4 hr. drilling 1/2 hr. wait on Gas. 1:00 A.M. to 2:00 A.M. 1/4 hr. Gas off 3/4 hr. drilling, 2:00 A.M. to 3:00 A.M. Drilling 3:00 A.M. to 4:00 A.M. 1/4 hr. Drilling, 1/2 hr. Circ. 1/4 hr. trip. 4:00 A.M. to 5:00 A.M. 3/4 hr. trip 1/4 hr. Pick up 3 drill collars. 5:00 A.M. to 6:00 A.M. lay down 3 joints drill pipe, Trip. 6:00 A.M. to 7:00 A.M. 3/4 hr. trip, 1/4 hr. Drilling. Back in hole with 8-3/4" YS Bit No. 14 @ 6:45 A.M. Drill til 8:00 A.M., Service rig 1/4 hr. (Pulled 10 stands Drill Pipe wait on Gas 3/4 hr.) Back to bottom 1/4 hr., Drill 1/2 hr., Wait on Water 1/2 hr. Drill til 2:00 P.M. Clean Pits 1/2 hr., Drill til 6:30 P. M. Circulate 1/2 hr., Drill til E:30 P.M. Circulate 1/2 hr. for trip, Trip out. Back on bottom with 8-3/4" YS Bit No. 15 @ 10:30 P.M. Still drilling @ 12 midnight. Used 12 sacks Lime, Bit No. 13 made 128' 8-3/4 Hour, 1791' to 1919', Sand and Shale. Bit No. 14 made 152' 11 Hours, 1919' to 2071', Sand and Shale

9-21-59 2090-2440' Drilling with Gas and Water.

Morning tour 128' {8 hr. drilling) 2090' to 2218', Sand and Shale. Day tour 46' (3-3/4 hr. Drilling 1/2 Hr. Circ. 1 Hr. Ream) 2218' to 2264', Sand and Shale. Evening Tour 176' (7-3/4 Hr. Drilling) 2264' to 2440', Sand and Shale. Drilling 8:00 A.M., Service Rig 1/4 Hr., Drill til 11:00 R.M. Circulate 1/2 hr, trip, Back in hole with 8-3/4" YS Bit No. 16 @ 2:00 P.M., 1 Hour Reaming 70' to bottom. Started Drilling @ 3:00 P.M. Still Drilling @ 12 midnight (1/4 hr. Repair Chain @ 10:00 P.M.) Mixed 22 sacks Lime. Bit No. 15 made 189' - 12-1/4 hrs. 2071' to 2260', Sand and Shale.

9-22-59 2440-2800' Drilling with Gasn and Water.

Morning tour 92' (4-1/2 Hr. Drilling 1/4 hr. Ream, 1/2 hr. circulate) 2440' to 2532, Sand and Shale. Day tour 173' (7-3/4 hr. Drilling) 2532' to 2705', Sand and Shale. Evening tour 95' (4-1/2 hr. Drilling 1/2 hr. Circulate) 2705' to 2800' Sand and Shale. Service Rig 12:00 A.M. to 12:15 A.M., Drill til 2:00 A.M., Circulate 1/2 hr. Survey 1/4 hr., Trip. Back in hole with 8-3/4" M4L. Bit No. 17 @ 5:15 A.M. Ream 1/4 hr. Start Drilling @ 5:30 A.M., Drilling til 8:00 A.M., Service Rig 1/4 hr. Drill til 8:30 P.M., Circulate 1/2 hr., Trip. Going in hole @ 12 midnight. Used 16 sacks Lime, Survey No Good? Bit No. 16 made 228' 10-3/4 Hours 2260' to 2488' Sand and Shale. Bit No. 17 made 312' 14-1/2 Hours, 2488' to 2800, Sand and Shale.

9-23-59 2800-3196' Drilling with Gas and Water.

Morning tour 200' (7 hr. Drilling 1 Hr. Reaming) 2800' to 3000', Sand and Shale. Day tour 121' (5-1/4 hr. Drilling 1/2 hr. Circ.) 3000' to 3121', Sand and Shale. Evening tour 75' (3 hr. Drilling 1 hr. Reaming) 3121' to 3196', Sand and Shale. Service Rig 12:00 A.M., Drilling til 8:00 A.M., Serwice Rig 1/4 hr. Drill til 1:30 P.M., Circulate 1/2 hr., Trip, Out @ 4:00 P.M. Change stripper on Rotating Head 1 Hr. Back in hole with 8-3/4" M4L. Bit No. 19 @ 6:00 P.M. Ream to Bottom 6:00 P.M. to 7:00 P.M. Shut down 7:00 P.M. til 9:00 P.M. Gas Freezing up @ Gas Well, Start drilling @ 9:00 P.M., Still drilling @ 12 midnight. Used 15 sacks Lime, 10 Gallons Affrox, Bit No. 18 made 321' 12-1/2 hrs., 2800' to 3121', Sand and Shale.

9**-24-59**3196-3567'

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Drilling with Gas and Water.

Morning tour 133' (7hrs. Drilling) 3196' to 3329', Sand and Shale. Day Tour 57' \$\frac{1}{3}\$ hrs. Drilling 1/2 hr. Circ.

3/4 hr. Ream) 3329' to 3386', Sand and Shale. Evening tour 181' (7-1/2 Hrs. Drilling) 3386' to 3567', Sand and Shale. Drill til 5:30 A.M. Shut down check for Gas blow from zone @ 3312, for 1 hour (Mo blow from this zone, same zone that blew out and caught fire on well No. 5) Drill til 8:00 A.M., Service Rig 1/4 hr., Drill til 10:15 A.M., Trip, Back in hole with 8-3/4" Reed YM Bit No. 20 @ 1:00 P.M., Circulate and wash, to bottom 3/4 Hr. Start Drilling @ 1:45 P.M. Drill til 6:30 P.M., Gas off 1/2 hr. Still Drilling @ 12 midnight. Used 20 sacks Lime, 16 gal. Affrox. Bit No. 19 made 242' 11-3/4 hrs. 2121' to 3363' Sand and Shale.

9-25-59 3567-3893' Drilling with Gas and Water.

Morning tour 79' (2-3/4 Hr. Drilling 1/2 hr. circ.) 3567' to 3646', Sand and Shale. Day Tour 147' (7-3/4 Hr. Drilling) 3646' to 3793', Sand and Shale. Evening tour 100' (5 hr. Drilling 1/2 hr. Circ.) 3793' to 3893', Sand and Shale. 12 midnight to 12:15 A.M., Service Rig. Drill til 3:00 A.M., Circ. 1/2 hr., Trip, Back in hole with 8-3/4" M4L Bit No. 21 @ 8:00 A.M., Service Rig 1/4 hr. Drill til 9:00 R.M., Circulate 1/2 hr., Gas off 1/2 hr. Start out of hole @ 10:00 P.M., out of hole @ 12 midnight. Used 14 sacks Lime, 17 Gal. Affrox. Bit No. 20 made 283' - 12-1/2 hrs., 3363' to 3646', Sand and Shale. Bit No. 21 made 247' 12-3/4 hrs. 3646' to 3893', Sand and Shale.

9-26-59 3893-4219' Drilling with Gas and Water. Morning tour 67' (3-1/4 Hr. Drilling 1/4 hr. Ream) 3893' to 3964', Sand and Shale. Day tour 143' (7-1/2 hr. Drilling) 3964' to 4107', Sadd and Shale. Evening tour 112' (4 hr. Drilling 1 hr. Circ.) 4107' to 4219', Sand and Shale. 12:00 A.M. to 1:30 A.M. Change Stripper Rubber on Rotating Head. 1:30 A.M. to 2:00 A.M. Repair Gas Line Heater Start Back in hole with Bit @ 2:00 A.M. Back in hole with 8-3/4" M4L. Bit No. 22 @ 4:30 A.M. Ream 1/4 Hr., Start Drilling @ 4:45 A.M., Drill til 8:00 A.M., Service Rig 1/4 Hr. Drill til 9:45 A.M., Tighten Union on Kelly hose 1/4 hr. Drill 6:30 P.M., Circ. 1/2 hr., Trip, Back in hole with 8-3/4" YM Bit No. 23 @ 10:00 P.M., Circulate 1/2 Hr. Start Drilling @ 10:30 P.M. Still drilling @ 12 midnight. Used 16 sacks Lime, 16 gal. Affrox. Bit No. 22 made 293' 13-1/4 Hrs. 3893' to 4186', Sand and Shale.

9-27-59 4219-4676' Drilling with Gas and Water.

Morning tour 151' (8 hrs. Drilling) 4219' to 4370', Sand and Shale. Day tour 190' (5 hrs. Drilling 1/2 hr. Circ.) 4370' to 4560', Sand and Shale. Evening tour 116' (5 hrs. Drilling 1/2 hr. circ.) 4560' to 4676', Sand and Shale. Drill til 1:00 P.M., Circulate 1/2 hr., Trip, Back in hole with 8-3/4" YM Bit No. 24 @ 5:30, Wash 25' to bottom 1/2 hrs., Gas off 1/2 hr., Drilling 1/2 hr., Gas off 1/4 hr. Drilling 1/2 hr., Gas off 1/4 hr. Brilling 1/2 hr., Gas off 1/4 hr., Still Drilling midnight. Used 20 sacks lime, 20 Gal. Affrox. Bit No. 23 made 374' 14-1/2 hrs. 4186' to 4560', Sand and Shale.

9-28-59 4676-5020' Drilling with Gas and Water.

Morning tour 118' (5-3/4 Drilling 1/2 hr. Circ.) 4676' to 4794', Sand and Shale. Day tour 132' (4-1/2 Hr. Drilling 1/2 hr. Circ.) 4794' to 4926', Sand and Shale. Evening tour 94' (4-1/2 hr. Drilling 1/2 hr. Circ.) 4926' to 5020' Sand and Shale. Drill til \$:45 A.M. Circulate 1/2 hr., Trip, (strap pipe out) Gas off 1/2 hr. coming out. Gas off 1/4 hr., going in. Back in hole with 8-3/4" YSI, Bit No. 25 @ 11:00 A.M., Circulate 1/2 hr. Drill til 4:00 P.M., Service Rig 1/4 hr. Drill til 8:45 P.M., Circulate 1/2 hr., trip. Out of hole @ 12 midnight. Used 14 sacks Lime, 14 gas. Affrox. Bit No. 24 made 234' 10-3/4 hrs., 4560' to 4794', Sand and Shale. Bit No. 25 mad 226' 8-3/4 hrs. 4794' to 4020', Sand and Shale.

9-29-59 5020-5527' Drilling with Gas and Water.

Momning tour 112' (5 hrs. drilling 3/4 hr. Circ. & Ream) 5020' to 5132', Sand and Shale. Day tour 274' (8 hrs. drilling) 5132' to 5406', Sand and Shale. Evening tour 121' (3-1/2 hrs. Drilling 1/2 hr. Circ.) 5406' to 5527', Sand and Shale. Finish trip in with 8-3/4" OWC Bit No. 26 @ 1:30 A.M. Circulate and Ream 30' to bottom 3/4 hr. Drill 1 hr., Clean screen on oiler in transmission 3/4 hr. Drill til 4:00 P.M., Service rig 1/4 hr. Service pump 1/4 hr. Drill til 8:00 P.M. Circulate 1/2 hr., Trip, Gas off 9:00 P.M. to 10:00 P.M., Coming out of hole @ 12 mdingith. Used 13 sacks Lime, 13 gallons Affrox. Mixed 400 gal. Diesel oil, 40 sacks Gel and 200# Driscose with drilling fluid. Bit No. 26 made 507' 15-3/4 hrs. 5020' to 5527', Sand and Shale.

9-30-59 5527-5718' Drilling with Gas and Water.

Morning tour 47' (3-3/4 hr. Drilling 1/2 hr. Circ.) 5527' to 5574', Sand and Shale. Day tour 126' (5 hr. Drilling 1/2 hr. Circ.) 5574' to 5700', Sand and Shale. Evening tour 18' (2 hr. Drilling 1/2 hr. Circ.) 5700' to 5718', Sand and Shale. Finish trip out change stripper Rubber on Motating Head, Back in hole with 8-3/4" OWV, Bit No. 27 200 A.M., Circulate and wash 20' to bottom 1/2 hr., wait on water 3:00 A.M. to 4:00 A.M., Circulate 1/4 hr., Start drilling \*\*AST\*\* 4:15 A.M. Drill til 8:30 A.M. Gas off 1/2 hr., Drill til 1:30 P.M. Circulate 1/2 hr., Trip, Back in hole with 8-3/4" OWV. Bit No. 28 & 6:30 P.M., Circulate 3/4 hr., Drill 1/4 hr. out of fluid 7:30 A.M. to 8:00 P.M. work stuck Drill Pipe 8:00 P.M. to 9:00 P.M. wait on fluid

9:00 P.M. to 10:15 R.M. start drilling @ 10:15 P.M., Still drilling @ 12:00 Midnight. Used 2 bbls Diesel, 50# Driscose 10 sacks Gel, Morning tour used 1 sack Lime, 50# Driscose 200 Gal. Diesel, 10 sacks gel. Daylight tour Used 10 sacks Gel, 2 sacks Driscose, 2 bbls Diesel, 10 sacks Gel. Evening tour. Bit No. 27 made 173' 8-3/4hrs. 5527' to 5700', Sand and Shale.

10-1-59 5718-5887' Fishing Job Drilling with Gas and Water.

Morning tour 127' (8 hrs. Drilling) 5718 to 5845', Sand and Shale. Day tour 42' (1-3/4hr. Drilling 1/2 hr. circ.) 5845 to 5887', Sand and Shale. Evening tour 0' Fishing (1/2 hr. circ. in 1/2 hr. circ. on Fish). Drill til 9:45 A.M., twisted off circulate 1-3/4 hours. Come out of hole, Pick up over shot, jars, Bumper Sub, Back in hole @ 4:30 P.M. 1/2 hr. washing to top fish, caught fish, Trip out, out of hole with Fish @ 8:30 P.M. Wait on tool to put Rotating Head on til midnight.

Used 50# Driscose, 50# Lime, 2 bbls Diesel, 6 sacks Gel Used 50# Lime, 2 bbls Diesel, 15 sacks Gel, 50# Driscose.

Used 6 sacks Gel. Bit No. 28 made 187' 11-1/4 hrs. 5700'

10-2-59 5887-6104' Drilling with Gas and Water.

to 5887', Sand and Shale.

Morning tour 0' (2 hr. circ.) Break out Fishing tools, go in hole. Day tour 122' (8 hrs. Drilling) 5887' to 6009', Sand and Shale. Evening tour 96' (7-1/4 hr. Drilling) 6009' to 6104', Sand and Shale. Finish laying down Fish, broke out overshot, Shale. Put on new Rotating Head, Start in hole with Bit @ 3:30 A.M., Back in hole with 8-3/4" OWC, Bit No. 29 @ 5:30 A.M., Circulate and wash to bottom til 12 midnight. Start Drilling @ 8:00 A.M., Drill til 7:45 P.M. Gas off 1/4 hr., Drill til 9:45 P.M. Change Starting motor 1/4 hr., still drilling @ 12 midnight. Made 20' correction in Drill pipe measurement. Used 200 Gal., Diesel, 50# Driscose, 50# Lime (A.M.)
Used 10 sacks Gel, 50# Driscose, 50# Lime, 4 bbls Diesel (PM) Bit No. 29 made 255' 18-1/4 hrs. 5887 to 6142', Sand & Shale.

10-3-59 6104-6142' Change from Gas & Wtr. to mud.

Drilling with Gas and Water, Change to Mud.

Morning tour 38' (3 hrs. Drilling) 6104' to 6142', Sand

and Shale. Day tour 0' (Hole Heaving) Mix mud and trip.

Evening tour 0' mix mud nippling up.

Drill til 3:00 A.M., Gas off, Circulate with Water and Drill-

ing fluid til 5:00 A.M., Gas off, Circulate with water and Drift ing fluid til 5:00 A.M., Trip, 8:00 A.M. to 8:30 A.M.

going in hole with Drill Collars, 8:30 A.M. to 9:30 A.M. Cut off and Slip drilling line. 9:30 A.M. to 10:45 A.M. Starting Pump Motor. 10:45 A.M. to 11:45 A.M. Going in hole with 8-3/4" YM Bit No. 30. Hit bridge 9 stands off bottom (Hole Heaving) 11:45 A.M. to 1:45 P.M. Circulate and mix mud. 1:45 P.M. to 4:00 P.M., Trip Out. Clean Pits, mixing mud and nippling up (to Drill with Mud) 4:00 P.M. to 12 midnight. Used 2 bbls Diesel, 50# Lime (Morning Tour). Used 10 sacks Gel, 3 sacks Driscose Day Tour. Used 90 sacks Magobar, 50 sacks Gel, 4 sacks Alkatan, 100# Driscose, 50# Que Bracho (Evening tour).

10-4-59 6142-6159 Nippling Up. Drilling with Mud WT. 10, Vis. 60.

Evening tour 17' (4-1/2 Ream 1/2 Circulate 3 hr. Drilling)
6142 to 6159', Sand and Shale. Finish nippling up @
3:00 A.M., Start in hole, in Hole with 8-3/4½ YM Bit
No. 30 @ 5:00 A.M. Circulate and Condition Mud to 10
stands off bottom. Start Washing and Reaming to bottom
@ 8:00 A.M., Reach Bottom @ 8:30 P.M. Circulate 1/2 hr.
Start Drilling New Formation @ 9:00 P.M. Still drilling
@ 12 midnight. Morning tour Used 131 Sacks Magobar,
51 sacks Gel, 125# Driscose, 1 Sack Tanathin. Day Tour
Used 205 sacks Magobar, 45 sacks Gel, 4 sacks Alkatan
3 Sada-Ash, 2 sacks Tanathin. Evening tour Used 75#
Tannathin, 100# Driscose, 100# Soda-Ash, 40 sacks Gel
100 sacks Magobar.

10-5-59 6159-6281' Drilling with Mud Wt. 10.3, Vos 55.

Morning tour 29' (5-1/2 Hr. Drilling) 6159 to 6188',

Sand and Shale. Day tour 31' (4-3/4 Hr. Drilling) 6188'

to 6219', Sand and Shale. Evening tour 62' (8 Hr. Drilling)

6219' to 6281', Sand and Shale. Drill til 5:30 A.M.,

Trip, back in hole with 8-3/4" M4N Bit No. 31 @ 10:00 A.M.

Drill bridges 9 stands off bottom, start drilling new

formation @ 11:15 A.M. Still drilling at 12 midnight.

Morning tour 80 sacks Magobar, 25 sacks Gel, Day tour

45 sacks Magobar, 2 sacks Driscose, 18 sacks Gel.

Evening tour 50# Tannathin. Bit No. 30 made 46' 8-1/2

hrs. 6142' to 6188, Sand and Shale.

10-6-59 6281-6412' Drilling with mud WT 9.8, Vis 50, CK 1/32, WL 6.6, PH 8. Morning tour 32' (5-1/2 Hr. Drilling) 6281' to 6313', Sand and Shale. Day tour 40' (6-1/2 Hr. Drilling) 6313' to 6353', Sand and Shale. Evening tour 59' (7-3/4 hr. Drilling) 6353' to 6412', Sand and Shale.

Drill til 5:30 A.M., Trip, Back in hole with 8-3/4" M4N Bit No. 32 @ 9:30 A.M., Drill til 5:45 P.M., Service Rig 1/4 hr. Still drilling @ 12 midnight.

Used 21 sacks Magobar, Morning tour. Used 15 sacks Gel, 2 sacks Driscose, 2 sacks Alkatan, Day tour. Used 50# Caustic, 50# Quebracho, Evening tour. Bit No. 31 made 125' 18 hrs. 6188' to 6313', Shale.

10-7-59 6412-6505' Drilling with Mud WT 9.8, Vis. 50, CK 1/32, WL 8.0, PH 8.8. Morning tour 37' (5-1/2 hrs. Drilling) 6412 to 6449', Sand and Shale. Day tour 49' (4 hrs. Drilling) 6449' to 6498', Sand and Shale. Evening tour 7' (1/2 hr. Drilling 1 hr. Circulate) 6498 to 6505', Sand and Shale. Drill til 5:15 A.M., Trip, Back in hole with 8-3/4" M4N, Bit No. 33 @ 10:00 A.M. Drill til 4:30 P.M. Circulate 1-1/2 Hrs. Trip, out @ 8:00 P.M., Pick up and Make up DST Tool Start in hole @ 9:00 P.M. 10 sacks Gel, 50# Driscose, 200# Tannathin, 100# Caustic, 15 bbls Diesel (A.M.) 30 sacks Magcobar, 100# Driscose (P.M.) Bit No. 32 made 135' 19-1/2 hrs. 6313 to 6448', Sand and Shale. Bit No. 33 made 57' 6-1/2 hrs. 6448' to 6505', Sand and Shale.

10-8-59

Drilling with mud Reached T.D.

Morning Tour DST. Day tour Logging Well, Evening tour
Logging Well. On Bottom with DST No. 1 @ 12 midnight
Test zone 6460 to 6505'. Tool open 1 hr., SIP 30 minute
HY 3388.4#, SI 1727.9, FHY 3355.7, Final SI 30 minute
FSIP 1326.6, IFP 293.1, FFP 307.4. Gas to surface in
42 minutes, Recovered 630' GCM. Real heavy cut top part.
Schlumberger Start Running Logs @ 12 noon, Finish by
12 midnight, Schlumberger lost Micro Log Pad at 5297.

10-9-59

Total Depth 6505'

12 midnight to 1:00 A.M. Lay down 9 Drill Collars, Pick

Up 9 Drill Pipe and Bumper Sub, went in hole Broke

circulation, 16 stands off bottom for 30 minutes, then

ran to bottom circulat 1-1/2 hour, start out of hole

laying down Drill Pipe @ 6 A.M. out of hole at 11:30

A.M., Rig up and start running 7" Casing @ 12:30 P.M.

Pinish @ 4:00 P.M. Ran 203 jts. 23#, 7" N-80 and J-55

30 jts., N-80 on casing at bottom, rest J-55. Than

measured 6525.82, Set @ 6505' K.B. Cement with 350

sacks reg. cement Plug down at 8:15 P.M., will run

Temperature Survey.

- 10-10-59 Cut off 7" Casing.

  McCullough Ran temperature Survey @ 8:00 A.M., Top Cement

  @ 4520'. Top plug inside 7" Casing @ 6468' Install
  tubing Hanger. W.O.C. Release Rig @ 2:00 P.M. Began
  Tearing down.
- 10-11-59 Note: Wait on work over Rig from 10-11-59 to 11-5-59.
- 11-6-59 Rigging down and moving work over Rig from Ute Treail # 5 to Ute Trail # 6.
- 11-7-59 Finish Rigging work over Rig up. Pick up tubing and Ran in hole with 6-1/8" Bit to Displace Mud and Drill out Cement Plug.
- 11-8-59 Start 6:00 A.M. Finish Picking up Tubing displace Mud with Tubing Hangar Stripper, install BOP. Start drilling Cement Plug shut down @ 6:00 P.M.
- 11-9-59 Start 6:00 A.M., Finish drilling float and cement Circulate hole clean and come out of hole shut down @ 6:00 P.M.
- 11-10-59
  6:00 A.M. Go in hole with Dowell Inc. Abrasijet tool
  On bottom and hooked up to Dowell @ 2:00 P.M., Started
  Abrasijet @ 2:07 P.M. Jet cut @ 6479, 6474, 6268, 6263',
  6258, 6253, and 6248' (Apparently, Jet @ Zone Interval
  6268' did not penetrate thru. casing as this Jet was
  washed out) Finish cutting @ 5:20 P.M., Reverse sand
  out with fresh water and displace hole with Salt water.
  Pull 2 stands tubing. Shut well in @ 7:00 P.M.
- 11-11-59
  6:00 A.M. come out of hole with Tubing, lay down Dowell
  Jet Tool, go back in hole with open ended Tubing, wash
  and circulate Tubing to bottom, Mix Salt prepare to
  Frac shut down @ 6:00 P.M.
- Start 6:00 A.M., Hook up Dowell Inc. to tubing spot 500 gal Mud Acid across perfs. Pull Tubing back to approximate 6045' Acid set from 9:30 A.M. to 12:45 P.M. Waiting on Frac Trucks, Pressure Fono, Via Tubing to 2200 psi @ 12:45 P.M. Formation broke to 1800 psi, put Acid away Began Frac @ 1:09 P.M.. Start 20/40 Sand @ 1# Gal used 3,300#, Increase to 1.5# gal. used 15,000#. Increase to 2# gal., used 17000#, increase to 2.5# Gal. used 16,700#, Flush with fresh water treatment complete @ 1:35 P.M.

Max. treating Pressure 2400 psi @ 39 BPM fluid Min. Treating Pressure 2250 @ 41.0 BPM Fluid. Av Injection rate (with Sand Volumn Added) 42 bbls Per minute. Average Sand 2#/Gac. Total Treating Fluid 640 bbls Flush 280 bbls, Total Sand 52,000# Total Acid 500 Gal / 960# J-94 FLA im. SI 2,000 psi, l hr. SI 1800 psi. Will leave well shut in overnight.

11-13-59	Open well @ 6:00 A.M. TP 1000 psi. Flowing in tank av. approximate 80 bbls per hour. Frac fluid Rec. approximate 200 bbls in tank, Gas and Sand increasing had to turn flow to blowie Line flow til 6:00 P.M. Shut in overnight.
11-14-59	Open well @ 6:00 A.M. to Blowie Line making medium spray Water and Average 2,500000 CFGD. Flowing til 6:00 P.M. Realease work over Rig.
11-15-59	Shut in moving work over Rig off location.
11-16-59	Shut in TP 2150 CP 2125.
11-17-59	Open @ 9:00 A.M. T 2350, C 2500 making spray water some sand and 3 hr. test, Approximate 2000,000 CFGD.
11-18-59	Shut in Potential TP 2250#, CP 2300#, 4 hr. test

potential 3,000,000 cu. ft. gas per day.

- 1090-1100 Shale gray-brown, brown, very light gray-brown, green-brown dolomite to limy, firm, blocky silty very slightly micaceoue trace siltstone, light gray, very light gray-white, very fine grained, calcareous.
- Siltstone, sandstone, light green-gray, green, white, very fine grained, micaceous, with very argillaceous streaks, with scattered black bitum flecks, calcareous, fair trace limestone, tan, cream-tan, crypto to xln, firm tite very slightly argillaceous trace red-purple and green, very slightly silty, calcareous, shale very weak trace gilsonite.
- Siltstone, sandstone as above with shale very light to medium gray, gray-green, green, very light red-brown, very light purple-red, calcareous, blocky silty very scattered trace gilsonite weak trace tan, den limestne.
- Siltstone, sandstone, light to medium gray, gray-green, very fine to fine grained, slightly micaceous, argillaceous calcareous with trace brown to black tarry oil stain and gilsonite flecks with fair trace silty gray, gray-tan, green gray shale, trace red-brown, very light red-purple, blocky calcareous shale.
- Siltstone, sandstone, and shale as above with good trace limestone, tan, cream-tan, crypto xln, firm.
- 1180-1200 Siltstone, sandstone very light gray, very light gray-green, very light gray-tan, very fine grained, calcareous, slightly micaceous, argillaceous with very weak trace black tarry oil stain, trace black gilsonitic flecks.
- 1200-10 Limestone, tan, cream-tan, crypto xln, firm, tite, with very slightly silty streaks, trace siltstone, sandstone and shale as above.
- Limestone as above with very good trace siltstone, sandstone, light gray-tan, very light gray, very light gray-green, very fine to fine grained, very calcareous, micaceous, with gilsonite to brown oil flecks.
- 1220-40 Siltstone, sandstone as above with white trace limestone, very spotty oil stain fair trace cut with CCl<sub>4</sub>.
- 1240-50 Siltstone, sandstone as above becoming cleaner, better developed.
- 1250-70 Siltstone, sandstone, light gray very light gray-tan, very fine to fine grained, micaceous, very calcareous very argillaceous, with tan limy inclusions, weak trace brown oil stain, fair trage limestone tan, den.
- 1270-90 Siltstone, sandstme white, very light gray, very light graytan, very fine to fine grained, trace medium grained, micaceous
  calcareous, slightly argillaceous to very argillaceous with
  scattered very poor to fair trary brown oil stain, trace
  gilsonite trace interbedded, gray-tan, gray brown, silty
  calcareous shale.

- 1290-1300 Siltstone, sandstone as above with fair trace dolomite, gray-brown, brown-gray, den tite, argillaceous,
- Shale, gray-tan, light gray-brown, green-brown, firm, dolomite blocky very slightly micaceous with silty streaks, very weak trace siltstone, sandstone as above with brown oil stain trace tan, den limestme.
- Shale, gray-tan, very light gray-brown, green-brown, firm, blocky, dolomite, very slightly micaceous with very slightly silty streaks with interbedded dolomite-limestone tan, very light gray-tan, den tite, trace calcite weak trace gilsonite.
- 1360-80 Shale as above with good trace dolomite, cream-tan, gray-tan, crypto xln, very slightly argillaceous.
- 1380-1400 Shale as above with fair trace dolomite, as above with fair trace interbedded silty streaks scattered gilsonite.
- 1400-20 Shale as above with trace dolomite, tan, cream-tan, gray-tan den tite with scattered silty inclusions, trace gilsonite weak trace oil stain, very musty odor.
- Shale, gray-tan, gray-brown, green-tan, firm, blomky, dolomite very slightly micaceous with interbedded, dolomite cream tan, to tan, den firm, tite and silty and sandstone, very light gray, white, very light gray-tan, calcareous slightly micaceous, with trace brown oil stain.
- Shale as above with fair trace very light gray-tan, very light gray-brown, slightly micaceous, dolomite to calcareous, siltstone and very fine grained sandstone, trace dark cream-tan, firm, dolomite weak trace oil stain very musty odor.
- Siltaone sandstone, very light tan, very light gray-tan, very fine to fine grained, calcareous, very slightly micaceous, with very scattered trace porosity trace oil stain fair trace dolomite, cream-tan, den tite trace gray-tan dolomite shale.
- 1470-1500 Dolomite, dolomitic limestone, red-tan, tan, very light redbrown, crypto to micro-xln, den tite, very slightly sitty trace gray-tan, gray-brown, dolomite firm shale weak trace bil stain, very musty odor trace gilsonite.
- Limestone, dolomite-limestone, very light gray-tan, tan, den the with trace interbedded silty streaks and shale very light gray-tan, slightly micro-micaceous, calcareous to dolomitic, firm blocky, very scattered trace gilsonite.
- Limestone, dolomite-limestone as above with fair trace siltstone, light gray, gray, gray-tan, calcareous to dolomite, very firm, tite, trace gilsonite.
- Gilsonite, black, brittle, dull to very limy lustre firm to gummy plastic with fair trace siltstone, sandstone, light gray, very light green-gray, very fine grained, calcareous trace dolomite limestone as above.

1570-90	Siltstone, sandstone, light gray, gray-green, very light gray-tan, very fine grained, calcareous firm, slightly gilsonitic, trace dolomite limestone, gray-tan trace gilsonite considerable cavings, varicolored shale.
1590-1600	Interbedded siltstone, sandstone as above with trace heavy brown oil stain, and dolomitic limestone, trace
1600-40	gilsonite, trace gray-tan, green-tan dolomite shale. Limestone, dolomitic limestone, tan, gray-tan, slightly green-tan, micro-xln, den tite with scattered trace brown oil stain, trace interbedded, very light gray,
1640-1700	silty streaks, musty odor.  Dolomite, dolomitic limestone, brown, gray-brown, gray- tan, tan, cream-tan, crypto to micro xln, slightly argillaceous very firm, tite, trace gray-brown, dolomite
1700-40	shale, musty odor very weak trace oil stain trace gilsonite Dolomite, dolomitic limestone, limestone, cream-tan to brown, gray-tan, crypto to migro xln, den, tite, slightly argillaceous with trace shale, light gray-tan, brown,
1749-59	dolomite, firm, blocky with very scattered weak trace oil stain, trace gilsonite, musty odor, trace nohculite. Siltstone, sandstone, very light gray, very fine to fine grained, calcareous, slightly argillaceous firm to fine appears water wet, trace light brown oil stain, dolomite, dolomitic limestone, very light to medium brown amber-
1750-80	brown, tan den tite.  Dolomite, dolomitic limestone, tan to brown, cream- tan micro-xln, den tite with argillaceous streaks trace brown, gray-brown dolomite shale musty odor very slightly oil
1780-90	stain. Dolomite, dolomitic limestone as above with good trace shale, brown red-brown, very light gray-brown, tan,
1790-1800	dolomite, brittle.  Dolomite and shale as above with good trace siltstone, sandstone, light gray, very fine to fine grained, calcareous firm trace friable, with very scattered trace brown oil
1800-10	stain, good strong musty odor.  Dolomite, dolomitic limestone, brown, gray-brown, gray- tan, micro-xln, argillaceous firm, with tracd brown, gray- brown, dolomite shale, with trace siltstone, sandstone
1810-1900	as above very weak trace oil stain.  Dolomite as above with fair trace vein filling calcareous trace pyrite very weak trace gilsonite weak trace brown oil stain very musty odor.

- 1900-40 Dolomite, dolomitic limestone, brown to tan, gray brown to gray-tan, crypto to micro xln, argillaceous den tite with interbedded shale, brown, gray-brown, dolomite, brittle trace pyrite, very white trace gilsonite, to calcite trace very light tan, limy, shale.
- 1940-50 Siltstone, sandstone, very light gray very fine to fine grained, calcareous, with interbedded dolomite and shale as above.
- 1950-70 Dolomite, dolomitic limestone, brown to tan, gray-tan to brown crypto to micro-xln, argillaceous den tite with brown gray-brown dolomite shale trace sandstone as above.
- 1970-2000 Dolomite, dolomitic limestone as above becoming more limy with trace shale light green, light gray-green, blocky, calcareous with silty and very sandy inclusions.
- 2000-50 Shale, very light tan, tan brown, light gray-tan, earthy limy to dolomitic, very firm, blocky, laminated very light tan and brown, trace calcite, trace pyrite trace dolomite, dolomitic limestone, brown, den argillaceous.
- 2050-70 Shale as above very earthy, limy, trace dark brown, den dolomitic limestone.
- 2070-2100 Dolomite, dolomitic limestone, very light to dark brown, very light to dark tan, slightly earthy crypto to micro xln, slightly argillaceous very firm, den tite, with trace light to dark brown, very dolomitic, shale, trace calcite, very weak trace cut with CCl<sub>4</sub> very weak trace gilsonite.
- 2100-30 Dolomite, dolomitic limestone, as above slightly more agillaceous with interbedded shale as above very scattered light brown stain, and cut with CCl4.
- 2130-2200 Dolomite, dolomitic limestone and shale as above with fair trace siltstone, sandstone very light gray very fine to fine grained, calcareous firm to friable, very soft scattered brown oil stain.
- 2200-50 Dolomite, dolomitic limestone as above with very good trace shale gray-brown, light to dark brown, tan laminated, dolomite slightly sub-waxy, lustre, very firm, blocky, very scattered trace light brown oil stain, musty odor, weak trace heavily oil stained, calcite.
- 2250-80 Shale very light to dark tan, very light to medium brown, dolomite to limy, firm, blocky, with moderate trace dolomite, dolomitic limestone as above, very musty odor, very slightly trace brown oil stain.
- 2280-2300 Dolomite, dolomitic limestone, limestone micro-xln, earthy firm, to soft with fair trace tan to brown, sub-waxy, dolomite shale, very weak trace brown oil stain

Dolomite limestone, limestone, light to dark tan, light 2300-50 brown, micro-xln, earthy, slightly argillaceous firm to soft with good trace interbedded very light to dark brown very light to dark tan, sub-waxy dolomite, firm shale, very scattered brown oil stain, musty odor. Shale as above with fair trace dolomite, dolomitic lime-2350-2400 stone, limestone argillaceous. Shale, light red-tan, tan, light brown resineous to waxy 2400-50 lustre, sub-fissle to blocky, dolomite with fair oil stain, trace dolomite very light tan, tan, den tite musty odor. Shale as above with poor to good trace dolomite, very light 2450-90 gray-brown, brown, tan, crypto to micro-xln, very den tite, slightly argillaceous, trace pyrite, scattered oil stain, musty odor. polomite, dolomitic limestone, limestone buff-tan, tan, very 2490-2500 light gray-tan, crypto to micro xln, very slightly argillaceous with fair trace firm, brittle, dolomite, tan to brown shale. Dolomite, dolomitic limestone, limestone as above with 2500-20 trace interbedded fair to brown gray-tan shale. Dolomite, dolomitic limestone, limestone, crypto to micro 2520-30 xln, den tite slightly argillaceous with scattered black specks and inclusions (mica & pyrite). Shale, very light tan, tan, buff-tan, dolomite to limy, 2530-40 firm, sub-fissle to blocky trace dolomite and limestone as above. Ash, very light gray, buff very light gray-tan, calcareous 2540-50 micaceous slightly pyritic, with shale as above trace dolomite limestone, den tite. Dolomite, dolomitic limestone very light gray, buff, tan, 2550-2600 crypto to micro-xln, slightly argillaceous den tite with trace very light gray-tan, tan, dolomite, firm shale. Dolomite, dolomitic limestone as above with increase in 2600-20 shale brown, tan, waxy with oil stain. Shale light tan, tan, light gray-tan, sub-fissle to blocky 2628-60 very calcareous to very dolomitic, sub-waxy slightly earthy with trace dolomite, dolomitic limes to ne as above, scattered trace oil stain, very musty odor. Shale light gray, very light gray-green, very light gray 2660-90 tan, tan, buff, dolomite to calcareous, firm, blocky, trace dolomite, light buff-tan, light gray, very light tan, weak trace dolomite dolomitic limestone, tan den argillaceous. Dolomitic limestone, limestone, buff-tan, gray-tan, light 2690-2700 tan, crypto to micro-xln, slightly argillaceous brittle with interbedded, tan to gray-tan, dolomite shale.

2700-10	Same as above.
2710-20	Dolomite, dolomitic limestone, light gray, very light gray-
2/19-29	tan, very light gray-brown, crypto xln, slightly argillaceous
	very firm tite.
2720-40	Shale, light tan, tan, light gray-tan, very dolomitic to
2/20-40	limy firm, brittle with trace dolomitic limestone, limestone,
	tan, den argillaceous.
2740-2800	Limestone, very light tan, tan, buff-tan, crypto to micro
	xln, slightly argillaceous firm, tite with trace light
	tan.
2800-20	Limestone as above, with fair trace sandstone very light
	gray, very fine grained, calcareous with trace micro-
	oblitic inclusions, very weak light brown oil stain.
2820-2900	Shale, light gray, very light gray-tan, tan, limy to
	dolomitic firm, brittle fair to good trace dolomite,
	dolomitic limestone, tan, den tite trace very light gray,
	very calcareous very thin ash beds.
2900-70	Limestone, light tan, tan, cream-tan, crypto to micro-xln
	very slight argillaceous, brittle, trace shale, gray, gray-
	tan, brown calcareous.
2970-3000	Shale, gray, gray-green, gray-tan, firm, blocky, calcareous
	with scattered silty streaks, trace siltstone, sandstone,
	very light gray, very fine grained, calcareous micro-
	micaceous trace tan, cream tan limestone.
3000-30	Siltstone, sandstone, light gray-green, very light gray,
3000	very fine to fine grained, micaceous very calcareous slightly
	argillaceous with scattered trace light cream-tan, oolites
	micro fragment limestone, trace shale, very light gray, very
	light greay-green, very light gray-tan, slightly calcareous
	firm very scattered to no stain, trace pyrite.
2030-50	Siltstone, sandstone and shale as above becoming more
5030-50	shaly with fair trace limestone cream-tan, micro to crypto
	xln, den tite, trace micro white flecks, slightly ostracodal
	trace dark brown dolomite shale.
	Dolomite, dolomitic limestone, limestone cream-tan, very
3050-60	
	light red-tan, very light gray-tan, crypto to micro xla,
	den tite with very slight argillaceous streaks, very
	scattered silty and sandy streaks trace pyrite trace
	dark brown, brown, tan, sub-waxy dolomitic shale.
3060-70	Dolomite and dolomitic limestone as above with fair trace
	shale as above.
3070-80	Dolomite, dolomitic limestone, limestone, very light cream-
	tan, tan, very light brown, crypto to micro-xln, very
	slightly argillaceous firm, tite with trace interbedded tan
	to brown, dolomite to calcareous shale very scattered silty
	streaks, trace gray-green, sub-waxy shale trace pyrite.

3080-3100	Dolomite, dolomitic limestone, limestone, and shale as
3100-2110	above with increase in silty and sandy inclusions.  Dolomite limestone, limestone, cream-tan, tan, very light
	red-tan, crypto to micro-xln, very slightly argillaceous den tite with scattered silty and sandy inclusions, with
	interbedded shale light gray-tan, tan, cream-tan, dolomite,
	sub-waxy, trace pyrite, with scattered weak trace brown, tarry oil.
3110-30	Dolomite, limestone as above with very good trace shale
3130-50	as above with scattered weak trace brown tarry oil. Limestone dolomitic limestone, very light cream light
	cream-tan, tan, crypto to micro-xln, very slightly colitic
	fair trace ostracods, very fair trace interbedded very light
3150-60	gray-tan, tan, light gray, firm, calcareous shale. Limestone, dolomitic limestone and shale as above with
	good trace shale very light green, very light gray-green
	sub-waxy lustre, calcareus trace pyrite with trace light
31 <b>60-32</b> 00	gray, calcareous micaceous siltstone.
3 (60-3200	Siltstone, sandstone with very light gray, very fine grained, calcareous slightly micaceous, slightly argillaceous
	with good trace interbedded shale, very light gray, gray
	very slightly micaceous, calcareous firm, blocky, very
	scattered trace interbedded laminations of light gray-tan
3200-10	tan, limestone. Shale, very light gray, very light green-gray, firm,
3200-15	blocky slightly calcareous with interbedded thin very silty
	and very sandy streaks, calcareous micro-micaceous, with
2012 42	very scattered trace tan to gray micro-oolites.
3210-40	Limestone, very light to dark cream-tan, crypto to micro- xln, and fragment, very slightly oblitic, with scattered
	very silty and sandy streaks, firm, tite, with trace
	interbedded very light gray, green shalystreaks.
3240-50	Shale, light gray, very light gray-green, firm, blocky,
	slightly cakareous with scattered very slity and very
3250-80	sandy inclusions, calcareous firm tite. Silstone, sandstone light gray, with light tan very fine
	grained, calcareous very slightly micro-micaceous, well
	sorted firm to friable with very poor to fair porosity,
	good scattered to saturated, light brown oil stain trace
3280-90	tan, cream-tan, micro-xln, very slightly colitic limestone. Missing.
3290-3300	Siltstone, sandstone, very light gray, gray, very fine to
	fine grained, calcareous very slightly micaceous, slightly
	argillaceous with good trace interbedded, cream-tan,
	ostracodal, micro-xln limestone trace gray very light
	gray shale, very scattered trace very light brown oil stain.

- Interbedded siltstone, sandstone, very light gray, very light green-gray, very fine grained, calcareous and limestone, cream-tan, tan crypto to micro-xln, oblitic, trace gray-green, light gray, calcareous firm shale, scattered very light tan and brown oil stain.
- 3310-20 Shale, light gray-green, light gray, very light tan-gray, calcareous, firm, sub-blocky with fair trace limestone, cream-tan, micro-xln, slightly colitic and ostracodal trace siltstone and sandstone.
- 3320-40 Siltstone, sandstone, very light gray, very light greengray, very fine to fine grained, calcareous, firm to friable with interbedded thin streaks, cream-tan, colitic and ostracodal limestone, trace shale as above very scattered trace light tan oil stain.
- 3340-60 Shale, light gray, gray-green, light green, calcareous, firm blocky with sub-waxy lustre trace interbedded silt-stone, sandstone and limestone as above.
- 3360-90 Shale as above with fair trace cream-tan, tan, crypto to micro xln, very slightly oblitic and ostracodal trace very silty and very sandy inclusions.
- 3390-3400 Siltstone, sandstone, very light gray, very light tan, light tan-gray, very fine to fine grained, calcareous, firm to friable with fair trace interbedded tan, micro-xln colitic and ostracodal limestone, scattered fair to very poor porosity with good scattered brown oil stain.
- 3400-10 Siltstone, sandstone as above with decrease in limestone, good brown oil stain.
- 3410-20 Siltstone, sandstone as above with scattered trace interbedded limestone good brown oil stain, very good brown oil stain, very good trace shale gray-green, light gray, calcareous, firm blocky.
- 3420-40 siltstone, sandstone very light gray, very light greengray, very fine to fine grained, calcreous, very slightly micro-micaceous, firm, tite with interbedded light gray gray-green, light green, calcareous blocky shale, trace "stained" sandstone as above.
- 3440-50 Siltstone, sandstone, vary light tan-gray, very light gray, very fine to fine grained, calcareous, slightly micromicaceous, friable with good porosity, good even light brown to tan oil stain.
- 3450-6) Siltstone, sandstone as above with good trace light graygreen, tight gray, calcareous shale.
- 3460-70 Siltstone, sandstone as above trace tan, light tan, mocro oolitic streaks in siltstone and sandstone firm, tite, with very good trace light gray-green, light gray, calcareous shale.

### DEKALB NO. 6 UTE 1 ... IL UNIT

- 3479-80 Siltstone, sandstone as above becoming micro to very fine oblitic very scattered trace light brown to tan oil stain moderate trace shale gray-green, green, firm, calcareous
- 3480-3500 Siltsone, sandstone, very light gray with light tan-gray, very fine to fine grained, calcareous very slightly micro micaceous very firm to friable trace micro-oolitic streaks very scattered light brown to tan oil stain, trace gray-green calcareous shale.
- 3500-20 Siltstone, sandstone as above with very scattered tan to brown oil stain, very scattered trace limestone cream-tan tan, micro-xln, slightly oolitic trace gray, gray-green shale.
- Shale, gray, gray-green, slightly micro-micaceous very slight carbonaceous, sub-fissle firm with trace limestone, tan, cream-tan, dark tan, crypto to micro-xln, with trace micro-oolites, scattered silty and sandy streaks.
- siltstone, sandstone, very light gray, very light gray-green very fine to fine grained, calcareous slightly micro-micaceous with very scattered trace tan, cream-tan, limestone, slightly oolitic, very scattered patch tan oil stain, trace shale, gray-tan, gray-green, gray, calcareous firm, sub-blocky.
- 3540-50 Shale, light gray, gray, gray-green, slightly calcareous, with siltstone, sandstone as above.
- 3550-70 Siltstone, sandstone, very light gray, very light green-gray very fine to fine grained, calcareous, very slightly argillaceous, very slightly micro-micaceous with trace interbedded, tan limestone, trace gray, gray-green, calcareous shale.
- 3570-90 Shale, light gray-green, gray, calcareous firm blocky with fair trace interbedded silty and sandy streaks as above.
- 3590-3600 Shale as above with very silty and very sandy streaks trace limestone, tan, red-tan, micro xln, very slightly oolitic, and ostracodal.
- Shale light gray, gray-green, slightly calcareous firm, sub-blocky with scattered very silty and very sandy streaks, very white trace limestone tan, cream-tan, den slightly colitic and ostracodal.
- 3610-30 Shale, light gray-tan, light green-tan, tan, light gray, calcareous sub-fissle firm weak trace tan, buff-tan den limestone.
- 3630-50 Shale as above with fair trace shale very dark brown, brown sub-waxy dolomite with oil stain trace limestone dolomitic limestone, tan, den tite trace amber-tan chert.

3659-69	Shale, brown, dark-brown, gray-tan, firm, dolomite, sub- waxy with interbedded thin streaks, limestone, light tan, very light gray-tan, slightly oblitic and ostracodal, slightly heavily saturated with dark brown hi-pour point oil.
366)-80	Shale as above with gray-gray-green, slightly calcareous shale fair trace siltstone, sandstone very light gray, very light graen-gray, very fine to fine grained, calcareous very slightly argillaceous trace limestone cream-tan, tan, micro xln, slightly oblitic very scattered brown oil stain.
<b>3680-</b> 3700	siltstone, sandstone, light gray, very light tan-gray, very fine to fine graind calcareous, very slightly micro-micaceous, firm to very friable with scattered fair porosity, scattered light brown to tan oil stain appears
3700-20	Shale light gray, gray, gray-brown, brown, firm, calcareous with trace siltstone, and sandstone as above.
3720-50	Siltstone, sandstone, very light gray, tace very light tan, gray, very fine to fine grained, calcareous firm, with very scattered trace poor porosity with very spotty brown oil stain, fair trace gray, very light gray, very light gray-tan shale, trace limestone tan, gray-tan,
	and tite coattered trace colites.
3750-3800	cilitatone sandstone as above with decrease in shale and
3,30 300	limestone, good porosity with very poor scattered trace
	huarm oil stain.
	chale light gray-green, gray, light gray, firm, slightly
3800-10	calcareous with scattered very silty and sandy streams.
	slightly micro-micaceous.
	Siltstone, sandstone very light gray, very fine to fine
3810-20	grained, calcareous very slightly micro-micaceous, firm
	tite with trace shale light gray, gray-green, calcareous
	tite with trace share right gray, gard gray, gray
	firm, trace brown, tan, waxy dolomite shale. Shale, light gray, light gray-green, calcareous firm, with
3820-70	brown, tan, waxy dolomite shale scattered very silty and
	sandy inclusions very slightly micro-oolitic.
	a
3870-3900	to fine grained, calcareous, micro-micaceous, slightly
	argillaceous with good trace shale, gray, gray-green, very
	light gray, slightly calcareous, firm, with very silty
	streaks.
	Shale, gray-green, light gray, gray, calcareous, firm,
3900-10	blocky with considerable thin silty and sandy inclusions.
2012 20	Siltstone, sandstone, very light gray, very fine grained
3910-20	calcareous with good trace shale as above
2000 - 40	Shale, light gray light gray-green, calcareous with
3920-40	scattered very silty inclusions, very weak trace very light
	gray, very fine grained, sandstone.
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3940-70	Shale as above with trace limestone, tan, very light red-
	tan, crypto xln, trace gray-brown, gray-tan, brown,
	calcareous, sub-waxy shale, trace very light gray, very
	light gray-tan, very fine to grained limy sandstone.
3970-80	Siltstone, sandstone, very light gray, very light green-
3377 00	gray, very fine to fine grained, slightly micaceous,
	calcareous to limy, slightly pyritic very fimr tite,
	slightly micro-oolitic, with scattered trace very poor
	porosity no show, fair trace gray, gray-green, calcareous
	slightly carbonaceous shale.
3980-90	Shale, gray, gray-green, firm, sub-blocky, calcareous very
	slightly micro-micaceous with very silty and sandy inclusions
	trace siltstone and sandstone as above.
3990-4000	Siltstone, sandstone, as above with fair trace interbedded
	gray, gray-green shale.
4000-80	Interbedded shale gray, gray-green, very light gray, firm,
4000-00	blocky, calcareous with silty streaks and sandstone,
	very light gray white, very fine grained, calcareous, slightly
	micro-micaceous, trace pyrite, very slightly light tan,
	micro-oolitic.
4080-4100	Shale gray, gray-green, very light gray, firm, sub-fissle
	to blocky, calcareous slightly silty.
4100-10	Siltstone, sandstone, very light gray, slightly light
	green-gray, very fine grained, calcareous very slightly
	argillaceous with scattered limy to micro-oolitic streaks
	fair trace shale as above.
4110-20	Dolomitic limestone very light gray-tan, buff-tan, crypto
	xln, slightly argillaceous with very slightly oolitic streaks
	with trace shale light gray, very light green-gray, firm,
	blocky calcareous.
4120-30	Dolomitic limestone as above with fair trace light gray-
4120-30	tan, light tan, sub-waxy dolomite shale firm blocky.
	can, right can, sub-waxy dolomite share rrisk brocky.
4130-40	Shale, light gray-tan, tan, light gray-brown, waxy sub-
	waxy dolomite, firm, blocky trace dolomite gray-brown,
	brown den slightly argillaceous.
4140-50	Shale as above with fair trace green-gray, light gray,
	calcareous shale trace light gray-tan, tan, den slightly
	argillaceous dolomitic limestone.
4150-80	Shale as above with increase in limestone.
4180-4200	Shale as above with fair trace limestone, trace sandstone
	very light gray, very fine grained, limy, slightly pyritic
	slightly micaceous.
4200-40	Shale as above with fair trace limestone, tan, very light
サミンノーベン	tan, crypto xln den tite with slightly argillaceous streaks
	trace sandstone very light gray, white, very fine grained
	limy, very firm, tite, very slightly micro-micaceous.

- 4240-50 Shale light gray, light gray-green, light tan-gray, firm, blocky, slightly calcareous, with interbedded thin stringers sandstone, very light gray, white, very fine grained, calcareous to limy, slight micro-micaceous, trace brown, micro carbonaceous flecks.
- 4250-60 Sandstone, light gray, light tan, very fine to fine grained, calcareous slightly micaceous firm to friable with poor to poor porosity with very good light brown oil stain, with trace gray, gray-green, calcareous shale.
- 4260-4300 Siltstone, sandstone, shite, very light gray, very fine grained, calcareous to limy with interbedded limestone, tan, gray-tan crypto to micro-xlm, with interbedded dark brown, brown, waxy dolomite shale, trace gray, light gray, calcareous shale, very scattered light tan, very spotty oil stain.
- 4300-20 Shale, gray, gray-greem, gray-tan, tan, firm, blocky, calcareous sub-waxy lustre with very scattered silty streaks.
- 4320-40 Shale as above with fair trace siltstone, very light gray, calcareous firm tite.
- shale, light gray-green, gray-green, very light gray-tan, sub-waxy lustrea, calcareous with fair trace interbedded siltstone, sandstone, very light gray, very light gray-green, very fine grained, calcareous.
- siltstone, sandstone, very light gray-brown, dark-tan, very fine to fine grained, very dolomitic matrix slightly micaceous very firm, tite with trace shale gray-green, light gray, calcareous firm, blocky trace dolomite, tan, gray-tan, den tite scattered trace tan oil stain.
- 4390-4400 shale light gray-green, light gray, calcareous firm, blocky with moderate trace siltstone, sandstone as above.
- 4400-30 Shale, light gray-green, light gray, light gray-tan, tan, calcareous firm, sub-blocky with scattered wery light gray to very light gray-tan, calcareous siltstone inclusions.
- 4430-4500 Shale, very light to very dark brown, gray-brown, tan, gray-green, sub-fissle to blocky, waxy lustre slightly dolomitic trace oil stain.
- 4500-70 Shale as above with very scattered fair trace brown, graybrown, den argillaceous dolomite.
- 4570-80 Shale as above with trace onlitic and ostracodal, light brown, den to micro xln limestone, trace siltstone, sandstone, very light gray, very fine grained.
- 4580-90 Shale as above with trace dwarfed fossil fragment and impressions.
- 4590-4600 Shale as above with fair trace fossil fragment and impressions trace limestone bm own, micro-xln den tite, trace siltstone light gray, light gray-green, calcareous, slightly argillaceous

- shale, brown, gray-brown, gray-tan, tan, plastic, waxy lustre, slightly dolomitic, sub-fissle to blocky, with trace interbedded, light to dark brown, gray-brown, limestone, ostracodal, micro xln, den tite trace irresdecent fossil shell fragment, trace siltstone, very light gray, very calcareous firm tite.
- 4620-30 Siltstone, sandstone, very light gray, very light gray-green white, very fine to medium grained, angular to sub-angular clear frosted quarts grains with occasional trace gray to black chert grains, calcareous very slightly micro-micaceous firm to friable with scattered trace very poor porosity, fair trace shale as above.
- 4630-40 Shale, gray-brown, very light to dark brown, slightly dolomitic, firm, blocky to sub-fissle, waxy trace dolomite, gray-brown, brown den trace siltstone as above.
- 4640-90 Sandstone, white, very light gray, very light tan-white, fine to meidum grained, angular to sub-angular clear frosted with occasional trace very light pink, very light orange quarts grain with occasional trace gray to black chert grains micro-micaceous calcareous, fair sorting, celam firm to friable with scattered fair to very poor perosity very scattered trace brown oil stain trace gray shale.
- 4690-4700 Shale, gray, gray-green, sub-waxy lustre, calcareous very slightly micro-micaceous with carbonaceous shale firm, blocky with trace sandstone as above.
- 4700-4790 Interbedded shale as above and siltstone sandstone, white, very light gray, very fine to medium calcareous, slightly micaceous with very scattered trace very light green interstitial clay flecks, very firm to friable with very scattered trace very poor poresity, very scattered white light tan oil stain.
- 4790-4800 Shale, gray, gray-green, slightly micro-micaceous, slightly calcareous firm blocky, very sub-waxy lustre with trace silty inclusions, trace sandstone white, very light gray, very fine to fine grained, calcareous very slightly micaceous, trace glauc.
- 4800-20 Shale as above with increase in sandstone.
- 4820-50 Shale brown, tan, gray, gray-green, calcareous to dolomite, fimm, blocky, with trace limestone, tan, micro-xln, trace ostracoda, trace sandstone as above trace fossil fragment.
- 4850-60 Shale, gray-brown, brown gray-tan, very dark brown-gray, subwaxy, dolomite calcareous with fossil irredescent shell fragment.
- 4860-70 Shale as above with interbedded siltstone, sandstone, very light gray, very fine grained, very slightly colitic and ostracodal.
- 4870-90 Silstone, sandstone, very light gray, very light buff-gray, very fine to fine grained, calcareous to limy, slightly micro-micaceous slightly argillaceous with trace gray, light gray, calcareous very scattered trace ostracodal.

- 4890-4900 Siltstone, sandstone as above with very good trace shale gray, gray-green, calcareous firm, blocky.
- 4900-10 Shale, gray, gray-green, calcareous blocky with very silty inclusions.
- shale as above with fair trace brown, red-brown, graybrown, very limy firm, blocky, shale trace limestone, very light brown, very light gray-brown, micro-xln, slightly argillaceous trace ostracodal.
- 4930-40 Limestone, as above with trace intert, gray-brown, brown, calcareous shale, trace ostracoda.
- 4940-50 Dimestone tan, light brown, light gray-tan, crypto to micro xln, finely fragment, very scattered trace ostracoda, trace argillaceous inclusions, trace gray-tan, gray-brown calcareous shale.
- 4950-90 Limestone as above with fair trace shale gray-brown, light brown, trace gray, firm calcareous blocky very white, trace amber brown and tan, chert, trace ostracoda.
- 4990-5000 Shale, gray-brown brown, gray-tan, gray-tan, gray-green, sub-waxy lastre calcareoustrace slightly dolomitic firm, blocky trace limestone as above trace ostracoda very weak trace light amber tan chert.
- polomite, dolomitic limestone, gray-tan, gray-brown, brown micro-min, argillaceous, firm blocky with interbedded very light gray-brown, very light gray-tan, dolomite, firm shale with weak trace colitic very light red-tan, limestone, with milic, cement.
- 5010-20 Dolomite, dolomitic limestone, as above with increase in argillaceous inclusions and shale, very scattered and occasional trace ostraceda.
- 5020-30 Interbedded siltstone, sandstone, very light gray, very light gray-green, very fine grained, calcareous and limestone and shale as above.
- Interbedded siltstone, sandstone very gray, very light graygreen, very fine grained, calcareous and limestone, light tan, very light gray-tan, very light gray-brown, crypto to micro-xln, argillaceous with trace gray, gray-brown dolomite to limy shale.
- 5040-50 Lémestone, brown, gray-brown, light gray-tan, crypto to micro xln, very scattered trace ostracoda very slightly argillaceous very firm, tite, with trace sandstone, very light gray, very fine grained, calcareous.
- 5050-70 Shale, light gray-green, very light gray, green purple-red, red-brown, gray-red, yellow-gray meta-bentonite, slightly calcareous, with scattered silty streaks.
- 5070-5100 Shale as above with fair trace siltstone, sandstone, very light gray-green, very fine grained calcareous, varicolored quartz grains, slightly micro-micaceous.

- 5700-5800 shale, rusty-red, red-brown, purple-red, gray-red, with trace gray-green, green, yellow, meta-bentonite slightly calcareous with occasional trace gypsum, very scattered silty and sandy inclusions.
- 5800-60 Shale, rusty-red, red-brown, purple-red, gray-red, with fair trace gray-green, gray, firm, blocky, slightly calcareous, slightly meta-bentonite, with trace gypsum occasional silty and sandy inclusions.
- 5360-5900 Shale as above with scattered very silty and very sandy inclusions, very fine to medium grained, angular to subrounded slightly varicolored quartz grains, with trace clear and frosted quartz grains, trace gray to black chert grains, calcareous micaceous, firm tite, very scattered trace gypsum.
- 5900-20 Shale rusty-red, red-brown, purple-red, red-gray, with trace gray-green, gray, meta-bentonite slightly calcareous firm, blocky with scattered silty and very sandy inclusions
- 5920-30 Shale as above with increase in gray, gray-green, shale scattered very sandy streaks.
- 5930-50 Shale as above with siltstone, sandstone, very light gray, very light gray-green, very fine to medium grained, calcareous slightly micaceous trace micro-limestone nodules, trace gypsum.
- Siltstone, sandstone, sand, light green-gray, very light green-white, very fine to medium grained, angular to sub-rounede clear frosted, with trace light crange, very light pink quartz grains, trace gray to black chert grains, micaceous, slightly calcareous, kaolinitic firm tite with fair trace shale as above trace gypsum.
- 5970-6000 Shale rusty-red, red-brown, purple-red, gray-green, yellow red, meta-bentonite, slightly calcareous firm blocky with very scattered very silty and very sandy streaks.
- Shale rusty-red, red-brown, purple-red, gray-green, yellow, meta-bentonite, slightly calcareous firm blocky with scattered trace white succrosic gypsum, very scattered silty inclusions.
- 6010-20 Shale as above with very soft bentonite, light rusty-red shale, trace gypsum .
- 6020-40 Siltstone, sandstone, very light gray, very light gray-green very fine to fine grained, calcareous micaceous with shale as above.
- 6040-6100 Shale rusty-red, red-brown, purple-red, gray-green, slightly calcareous firm blocky with trace siltstone and sandstone as above trace gypsum trace black carbonaceous splintery shale.
- 6100-10 Shale as above with trace light gray, light green-gray, very fine to fine grained, calcareous micaceous sandstone, firm, tite.

Shale, rusty-red, red-brown, purple-red, gray-green, slightly 6110-40 calcareous firm, blocky slightly meta-bentonite with very scattered very sllty and very sandy inclusions. Missing. 6140-50 Shale as above with scattered silty and sandy inclusions. 6150-60 Missing. 6160-70 Shale, varicolored with predominate of reds and gray-greens 6170-80 slightly calcareous, meta-bentonite with trace very soft, buff, very light gray, very light orange-brown, very bentonitic shale trace silty and sandy inclusions. Shale as above with soft very bentonitic shale, fair trace 6180-6200 silty and sandy inclusions. Shale as above with trace siltstone, sandstone, very light 6200-20 gray, very fine grained, calcareous kaolinitic hard tite Shale, rusty, red, red-purple, red-brown, trace gray, gray-6220-30 green, firm, blocky, slightly calcareous with interbedded siltstone, sandstone, very light gray, very light graygreen, green, very fine to fine grained, calcareous slightly micaceous, slightly kaolinitic, hard tite. Shale as above with considerable white buff, very light 6230-40 orange, putty like, very bontonitic shale, silty and sandy trace siltstone, sandstone, light gray to green, very fine grained, calcareous, argillaceous. Siltstone, sandstone, very light gray, very light gray-green 6240-50 very fire to medium grained, angular to sub-rounded, clear, frosted, with trace varicolored quartz grains, trace black to gray chert, micaceous, calcareous kaolinitic, slightly argillaceous, firm tite, trace shale as above. Silststone, sandstone as above becoming better developed, 6250-60 with fair trace sandstone, white, very light green-white, fine to medium grained, trace medium coarse, angular to sub-rounded, clear white, frosted with occasional very light pink and orange quartz grains, trace gray to black chert, slightly micaceous, trace very light green interstitial clay flecks, kaolinitic calcareous poorly sorted, very firm to friable with scattered very poor to poor porosity, trace varicolored shale cavings. Siltstone, sandstone as above with very scattered very 6260-79 poor porosity, trace gray-green, slightly calcareous interbedded shale. Siltstone, sandstone as above with moderate trace gray, 6270-80 gray-green, firm, blocky, shale with scattered silty streaks, trace red-brown, red-purple firm blocky to soft lumpy shale. Sikstone, sandstone becoming very dense firm, finer 6280-90 grained, moderate trace shale.

- 6290-6300 Siltstone, sandstone, white, very light gray, very light greengray, very fine to fine grained, occasional medium grained, calcareous slightly micaceous kaolinitic with scattered light gray argillaceous streaks, very firm, tite with fair trace light red-brown brick red, light gray, gray-green, slightly calcareous shale.
- 6300-30 Siltstone, sandstone, as above with interbedded with varicolored shale predominate red-brown.
- 6330-80 Siltstone, sandstone, very light gray-green, light green, very fine to fine grained, slightly micaceous, calcareous, slightly argillaceous with interbedded gray-green, firm, blocky, silty shale, trace varicolored shale.
- Siltstone, sandstone, gray-green, green, very light gray, very fine to fine grained, calcareous slightly micaceous, kaolinitic slightly argillaceous very firm tite, with interbedded gray-green, green, rusty-red, red-purple, yellow, firm, blocky shale.
- 6390-6400 Siltstone, sandstone as above becoming predominate siltstone and argillaceous with fair trace shale as above.
- Shale, gray-green, gray, red-brown, very firm, blocky with scattered silty streaks, trace siltstone, gray-green, slightly micaceous calcareous argillaceous, very firm tite, with occasional trace very fine grained very light gray sandstone.
- 6430-40 Siltstone, sandstone very light gray, very light green, very fine to fine grained, slightly micaceous calcareous, argillaceous firm, tite with fair trace gray-green, redbrown, slightly calcareous firm, blocky shale trace gypsum
- 6440-50 Shale as above with fair trace siltstone, and sandstone as above.
- 6450-60 Siltstone, sandstone as above with very good trace shale as above plus very soft bentonite white to very light orange shale.
- Siltstone, sandstone, very light gray, very light gray-green, white, slightly saltand pepper, very fine to medium grained angular to sub-rounded clear frosted with trace very light orange, very light pink quartz grains, with trace gray to black chert grains, micaceous calcareous, kaolinitic with scattered argillaceous streaks, trace very light green interbedded clay flecks, poorly sorted, very firm to friable with very scattered trace very poor to poor porosity 22 units methane in mud, 10 units in sandstone fair trace shale cavings as above.
- 6470-75 Siltstone, sandstone as above with very good trace shale redbrown, rusty-red, gray, gray-green, lavendar yellow, firm. blocky, slightly calcareous with very scattered silty streaks.

6475-80	Siltstone, sandstone as above with good trace shale as above.
6480-90	Shale gray, gray-green, red-brown, rusty-red, red-purple, purple, firm, meta-bentonite, blocky, slightly calcareous,
	with trace silty streaks, trace siltstone, sandstone as
****	above. Interbedded shale and siltstone, and sandstone as above.
6490-6500	Same as above.
6500-05	Shale varicolored, slightly calcareous, meta-bentonite firm,
6505	blocky with trace interbedded silt and sandstone.

Budget Bureau No. 42-R356.5. Approval expires 12-31-60.

LAND OFFICE ...

Salt Lake City

### **UNITED STATES** DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

LEASE NUMBER Ute Trail Unit

## LESSEE'S MONTHLY REPORT OF OPERATIONS

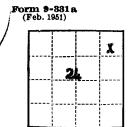
State _	Ut	ah		Ce	ounty	intah	F	Tield	Wil	Ldcat
Th	ie foll	lowing	is a	correc	et report of					drilling and producing
wells) $j$	for th	e mon	th of	• Oc	tober		, 19 <mark>59</mark> ,			
Agent'	$s \ addi$	ress	<u>ි</u> ද	x 523			C	ompany Del	(alb Agri	cultural Assn., Inc.
			V e	rnal,	Utah		St	igned 🗀 🤇	Luc	Dugh
Phone			10	73			A	gent's title .	Manager	and Vice President
SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	DAYS PRODUCED	Barrels of Oil	GRAVITY	Cu. Fr. of Gas (In thousands)	S GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NENE 8	105	22E	1	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 17	105	22E	2	-0-	-0-	-0-	-0-	-0-	-0-	Abandoned
NENE 16	108	22E	3	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 27	95	20E	4	-0-	<del>-</del> 0-	-0-	-0-	-0-	-0-	Shut In.
NENE 23	95	20E	5	-0-	-0-	-0-	-0-	-0-		Still Testing after re-perforating zone 6230 to 6260, fraced with 1,000 Gal. Salt Water, 75,000# Sand.
NENE 24	98	203	6	-0-	-0-	-0-	-0-	-0-		Totdal Depth - 5505 Waiting on Work-Over Rig to Complete.
NENE 4	105	22E	7	-0-	-0-	-0-	-0-	<b>-</b> 0-	-0-	Total depth- 5510, Ran 5-1/2 Casing, Now W. O. C.
NWNW 22	105	22E	ε	-0-	-0-	-0-	-0-	-0-	<b>-</b> 0-	Testing After Frac. Making Est. of 1 Million Cu. Ft. Gas per day.
had, and a state of the decrease of the second										

runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in

Note.—There were \_\_\_\_\_\_ M cu. ft. of gas sold;

duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



### (SUBMIT IN TRIPLICATE)

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land	Office	Salt	Lak	e	City
Lease	No	U-05	79		
	MA			n#	

Unit DeKalb-Sun # 6

UTS TRAIL UNIT

# JUA JUAN

### SUNDRY NOTICES AND REPORTS ON WELLS

	TENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF IN	TENTION TO CHANGE PLAN	ıs	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF IN	TENTION TO TEST WATER	SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF IN	TENTION TO RE-DRILL OR	REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF IN	TENTION TO SHOOT OR AC	IDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF IN	TENTION TO PULL OR ALT	ER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF IN	TENTION TO ABANDON WEI	L <b>L</b>	<mark></mark>	
	(INDICATE	ABOVE BY CHECK MARK	NATURE OF REPORT, NOTICE, OR OTHER DATA)	
			November 19	10
				, 17
			(N) (F)	
ell No	is located	560ft. from	$\{egin{array}{c} N \ S \end{array} \}$ line and $\{egin{array}{c} 660 \ \text{ft. from} \end{array} \}$ line of se	c <b>2</b> 4
			ed-to-res	
(½ Sec.	and Sec. No.)	(Twp.) (	Range) (Meridiah)	
			Subdivision) (State or Territory)	
(	(Field)	(County or	Subdivision) (State or Territory)	
ne elevatio	on of the derrick flo	oor above sea lev	el is 4768 ft.	
		DETAI	LS OF WORK	
tate names of	and expected depths to ob	jective sands; show size	s, weights, and lengths of proposed casings; indicate mudding	jobs, cemen
ate names of	and expected depths to ob	jective sands; show size	<del></del>	jobs, cemen
		jective sands; show size ing points, and all ot	s, weights, and lengths of proposed casings; indicate mudding her important proposed work)	
-9-59t	Orilling comple	jective sands; show size ing points, and all ot	s, weights, and lengths of proposed casings; indicate mudding	
-9-59t wed in r	Prilling completing.	jective sands; show size ing points, and all ot eted 10-12-59	s, weights, and lengths of proposed casings; indicate mudding ther important proposed work)  , waited for work-over rig until 11	8-59.
-9-591 wed in r -10-591	Prilling completig. Abrasijet the	jective sands; show size ing points, and all ot eted 10-12-59	s, weights, and lengths of proposed casings; indicate mudding her important proposed work)	8-59.
-9-59t wed in r -10-59t	Prilling completig. Abrasijet the	ective sands; show size ing points, and all ot sted 10-12-59  following so:	s, weights, and lengths of proposed casings; indicate mudding ther important proposed work)  , waited for work-over rig until 13 nos with 15,000 Sand, 6479, 6474	-8-59. , 6268
-9-59: wed in r -10-59:  63*, 62: -12-59:  jection	Prilling completig. Abrasijot the 58°, 5253° and 6 Praced with 56 rate £2 bbls.	sted 10-12-59 following so: 6268*. 40 bbls Salt	s, weights, and lengths of proposed casings; indicate mudding ther important proposed work)  , waited for work-over rig until 11 nos with 15,000% Sand, 6479', 6474'  Water, 260 Bbls. Flush, 52,000% Sand th sand. Maximum Treating Pressure	8-59. 7, 6268 ad. Ave
-9-59: wed in r -10-59: 63*, 62: -12-59: jection n. Treat	Prilling completig. Abrasijet the 58', 5253' and 6 Praced with 6 rate £2 bbls. ; ing Pressure 2	eted 10-12-59 following so: 6248, 40 bbls Salt per minute wi: 250%, Immediat	s, weights, and lengths of proposed casings; indicate mudding ther important proposed work)  , waited for work-over rig until 11 nos with 15,000% Sand, 6479', 6474'  Water, 260 Bbls. Flush, 52,000% Sand th sand. Maximum Treating Pressure	8-59. 7, 6268 ad. Ave
9-59: wed in r 10-59: !63*, 62: 12-59: .jection n. Treat 13-59:	Prilling completig. Abrasijot the 58', 5253' and 6 Praced with 6 rate £2 bbls. ; ing Pressure 2 Flowing to cle	following sos 6246 to bbls Salt per minute with 250%, Immediate	s, weights, and lengths of proposed casings; indicate mudding ther important proposed work)  , waited for work-over rig until 11 nos with 15,000% Sand, 6479°, 6474° Water, 260 Bbls. Flush, 52,000% Sand the sand. Maximum Treating Pressure to Shut In 2000%, 1 hour shut in 18	8-59. , 6268 ad. Ave 2400#,
9-59: wed in r 10-59: !63', 625 12-59: !jection n. Treat 13-59: 17-59:	Prilling completig. Abrasijet the 58', 5253' and 6 Praced with 6 rate £2 bbls. The prossure 2 Flowing to cle 6 hour test, 6	following so: 6268*. 40 bbls Salt per minute with 250%, Immediates casing pressur	s, weights, and lengths of proposed casings; indicate mudding ther important proposed work)  , waited for work-over rig until 11 nos with 15,000% Sand, 6479°, 6474° Water, 280 Bbls. Flush, 52,000% Sand the sand. Maximum Treating Pressure to Shut In 2000%, 1 hour shut in 18 re 2500%, Tubing Pressure 2350%.	8-59. , 6268 ad. Ave 2400#,
9-59: wed in r 10-59: !63', 625 12-59: !jection n. Treat 13-59: 17-59:	Prilling completig. Abrasijet the 58', 5253' and 6 Praced with 6 rate £2 bbls. The prossure 2 Flowing to cle 6 hour test, 6	following so: 6268*. 40 bbls Salt per minute with 250%, Immediates casing pressur	s, weights, and lengths of proposed casings; indicate mudding ther important proposed work)  , waited for work-over rig until 11 nos with 15,000% Sand, 6479', 6474'  Water, 260 Bbls. Flush, 52,000% Sand th sand. Maximum Treating Pressure	8-59. , 6268 ad. Ave 2400#,
-9-59: wed in r -10-59: !63', 62: -12-59: jection n. Treat -13-59: -17-59:	Prilling completig. Abrasijet the 58', 5253' and 6 Praced with 6 rate £2 bbls. The prossure 2 Flowing to cle 6 hour test, 6	following so: 6268*. 40 bbls Salt per minute with 250%, Immediates casing pressur	s, weights, and lengths of proposed casings; indicate mudding ther important proposed work)  , waited for work-over rig until 11 nos with 15,000% Sand, 6479°, 6474° Water, 280 Bbls. Flush, 52,000% Sand the sand. Maximum Treating Pressure to Shut In 2000%, 1 hour shut in 18 re 2500%, Tubing Pressure 2350%.	8-59. , 6268 ad. Ave 2400#,
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-9-59: ved in r -10-59: 63*, 62: -12-59: jection n. Treat -13-59: -17-59: timate o	Prilling completig. Abrasijot the 58°, 5253° and 6 Praced with 60 rate £2 bbls. pling Pressure 20 Flowing to cle 5 hour test, 6 f 3,000,000 Cu.	fective sands; show size ing points, and all of steed 10-12-59  following so: 6268*.  40 bbls Salt in per minute wirds and up.  Casing pressure. Ft. Gas per	s, weights, and lengths of proposed casings; indicate mudding ther important proposed work)  , waited for work-over rig until 11 nos with 15,000% Sand, 6479°, 6474° Water, 280 Bbls. Flush, 52,000% Sand the sand. Maximum Treating Pressure to Shut In 2000%, 1 hour shut in 18 re 2500%, Tubing Pressure 2350%.	8-59. d. Ave 2400#, 100#.
-9-59: ved in r -10-59: 63', 62: -12-59: jection n. Treat -13-59: -17-59: timate o	Prilling completig. Abrasijet the 58', 5253' and 6 Praced with 6 rate £2 bbls. pling Pressure 2 Flowing to cle 5 hour test, 6 of 3,000,000 Cu.	following some size of the following some following pressure. Ft. Gas per following pressure. Ft. Gas per following pressure.	s, weights, and lengths of proposed casings; indicate mudding ther important proposed work)  , waited for work-over rig until 11 nos with 15,000% Sand, 6479°, 6474° Water, 260 Bbls. Tush, 52,000% Sand the sand. Maximum Treating Pressure to Shut In 2000%, 1 hour shut in 18 re 2500%, Tubing Pressure 2350%, Fl Day. Well Shut In.	8-59.  d. Ave 2400#, 100#.  .ording a
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Title Production Supt.

GPO 86204

Agricultural Association Inc.
COMMERCIAL PRODUCERS AND DISTRIBUTORS OF AGRICULTURAL PRODUCTS

U. S. Oil Division

P. O. BOX 523 VERNAL, UTAH TELEPHONE 1073

December 12, 1959

Havenstrite Oil Company 811 West 7th Street Los Angeles, California

Sun Oil Company
P. O. Box 903
Salt Lake City, Utah

Mr. O. H. Calhoun 3408 Via Oporto Newport Beach, California

Sun Oil Company
P. Oi Box 1798
Denver, Colorado

United States Geological Survey 457 Federal Building Salt Lake City, Utah

State of Utah 310 Newhouse Building Salt Lake City, Utah

RE: Ute Trail Unit

### Gentlemen:

Enclosed please find for your files a Log of Oil or Gas Well on the # 6 and 7 Ute Trail Unit, Uintah County, Utah.

Yours very truly,

DEKALB AGRICULTURAL ASSN., INC. U. S. Oil Division

M. C. Johnson

Geologist

MCJ/dc Encl.

Form 9-331 a (Feb. 1951)

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### (SUBMIT IN TRIPLICATE)

# UNITED STATES DEPARTMENT OF THE INTERIOR

Approval appine 1231-00.	city.
Land Office 3579	heav
Lease bto Trail	
Dekalb-Sun a 6	

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	NTION TO TEST WATER SH		SUBSEQUENT REPORT OF ALTE SUBSEQUENT REPORT OF RE-D		
	NTION TO RE-DRILL OR R	1	SUBSEQUENT REPORT OF ABAM		
	ENTION TO SHOOT OR ACID ENTION TO PULL OR ALICE		SUPPLEMENTARY WELL HISTOR		- 1
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	(INDICATE AB	BOVE BY CHECK MARK	NATURE OF REPORT, NOTICE, OR OTH	ER DATA)	
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ME Dect	ion 24	T-9-8. R-	20-8 S.L.B.M.	• (₩)	
11dest	nd Sec. No.)	(Twp <b>tintal</b> )	(Range) (Meridian)	O C-603	
( <b>F</b>	ield)	(County o	r Subdivision)	(State or Territory)	~~~
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Form 9-881 a (Feb. 1951)

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### (SUBMIT IN TRIPLICATE)

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land O	Appro Sa ffice	val exp		-R358.4. -60. • City 
Lease N	Jte	Tr	ail	
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		ES AND RE					
NOTICE OF IN	TENTION TO DRILL	SUBSEQ	JENT REPO	RT OF WATER	SHUT-OFF		
NOTICE OF IN	TENTION TO CHANGE PLANS				ING OR ACIDIZIN		i I
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-	+100 24 T-9-	S. R-20-E	<b>S</b> .	L.B.M.	(W)		
Wildcat	and Sec. No.) (Twp.)			(Meridian)	Utah		
	(Field)	(County or Subdivision)			(State or Territo	ory)	
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		1 1 4 / 60					
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Will.

Form 9-381a (Feb. 1951)

### (SUBMIT IN TRIPLICATE)

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land Office 12 Land	CITY
Lonso NJ-0579	uaah
Unit Dee Cratt	
Devain-Sun # 5	

SUNDRY N				
NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WA	TER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLAN	s	SUBSEQUENT REPORT OF SHO	OOTING OR ACIDIZING	<del>-</del>
NOTICE OF INTENTION TO TEST WATER S	SHUT-OFF	SUBSEQUENT REPORT OF ALT		1
NOTICE OF INTENTION TO RE-DRILL OR		SUBSEQUENT REPORT OF RE-		j
NOTICE OF INTENTION TO SHOOT OR AC		SUBSEQUENT REPORT OF ABA		1
NOTICE OF INTENTION TO ABANDON WEL	-	SUFFLEMENTART WELL HIST	JR 1	
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	-	202798829	W	, 17
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For ()	m 9- Feb. 1	- <b>881</b> a 951)	•	
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### (SUBMIT IN TRIPLICATE)

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land Office	<b>e</b> city
Lenso No 0-0579	
Unit Like Exalt	
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NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	
(INDICATE ABOVE BY CHECK	K MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)
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veil No is located	from S ine and see.
MENN 50ction 24 (1-9-5) (3/ Sec. and Sec. No.) (Twp.)	(Range) (Meridian)
W11dcat U15	County or Subdivision) (State or Territory)
(Field)	, , , , , , , , , , , , , , , , , , , ,
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	how sizes, weights, and lengths of proposed casings; indicate mudding jobs, on all other important proposed work)
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leade 32 Gelman Will 6200 Platean Do Englewood Q (Bill).

May 20, 1968

MEMO FOR FILING

Re:

Gilman Hill Well No. Natural Buttes Unit #2(Ute Trail#6) Sec. 24, T. 9 S., R. 20 E., Uintah County, Utah

Conferred with Mr. Gilman Hill on May 16, 1968, and gave verbal approval to re-enter the old Ute Trail Unit #6 Well drilled by Three States Natural Gas Company, which will now be referred to as stated above.

Mr. Hill gave me the Notice of Intention to Drill and has acquired the necessary approval from the U. S. Geological Survey. Starting today, they will run a casing log to determine the extent of a leak in the casing, and then cement squeeze it off.

On Monday, May 20, 1968, a rig will be brought in to commence drilling out with air to a depth of 8,000' in the Wasatch Formation. If the drilling with air is successful, they will continue to no more than 10,000' and test the potential of the Mesaverde Formation.

PAUL W. BURCHELL CHIEF PETROLEUM ENGINEER

PWB: cnp

cc:

Rodney A. Smith, District Engineer U. S. Geological Survey 8416 Federal Building Salt Lake City, Utah

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Form 9-331 (May 1963) DEPAI		Utah 0579
(Do not use this form for p	OTICES AND REPORTS ON V roposals to drill or to deepen or plug back to a LICATION FOR PERMIT—" for such proposals.	different reservoir.
OIL GAS WELL OTHE	CR.	7. UNIT AGREEMENT NAME Natural Buttes Unit
2. NAME OF OPERATOR  Gilman A.	Hill	8. FARM OR LEASE NAME
3. ADDRESS OF OPERATOR		9. WELL NO. Natural Buttes Unit #2
4. LOCATION OF WELL (Report locat See also space 17 below.) At surface	tu Drive, Englewood, Color lon clearly and in accordance with any State re	equirements.* 10. FIELD AND POOL, OR WILDCAT  Ute Trail
	660' from E. line of Sectio T. 9 S., R. 20 E., SLM	11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA  Sec. 24 - 9 S - 20 E
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, 4,758 GR.	etc.)  12. COUNTY OF PARISH  Uintah  Utah
16. Check	Appropriate Box To Indicate Nature	of Notice, Report, or Other Data
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other)  17. DESCRIBE PROPOSED OR COMPLETE proposed work. If well is di nent to this work.) *	MULTIPLE COMPLETE  ABANDON*  CHANGE PLANS  DOPERATIONS (Clearly state all pertinent details rectionally drilled, give subsurface locations and	WATER SHUT-OFF  FRACTURE TREATMENT SHOOTING OR ACIDIZING  (Other)  (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)  s, and give pertinent dates, including estimated date of starting any d measured and true vertical depths for all markers and zones pertine to be done

18. I hereby certify that the foregoing is true and correct SIGNED Himan A. Hill	TITLE _	Opem tor	DATE	May 22, 1968
(This space for Federal or State office use)				
APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE _		DATE	



## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

	Min Oct
	Form approved. Budget Bureau No. 42-R356.5.
ملب	FFICE Salt Lake City, Utah
LAND C	FFICE
LEASE	NUMBER Utah 0579
UNIT _	Natural Buttes

## LESSEE'S MONTHLY REPORT OF OPERATIONS

<b>Agent's</b> Phone	addr	ess Er Er	iglev	wood,	Colorado )1	Co ) Sig Ag	Company Gilman A. Hill, Unit Operator Signed Jaman A. Sall Agent's title			
SEC. AND	Twr.	RANGE	WELL No.	DAYS PRODUCED	Barrels of Oil	GRAVITY	Cu. Fr. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
E NE 24	9 S	t 20 E	Jnit #2	0	0		0	0	Not measure	Deepened well to d. 65421. Test and prepare to squeeze
										perforated zones & casing leak. Preparing to deep
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Note.—There were none runs or sales of oil; none M cu. ft. of gas sold; none runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329 (January 1950) C. Gas drill from 6542' to a new T.D. ranging from 8,000' to 10,500' and carry out a proposed "rubble-chimney" completion program over either a portion or all of the newly drilled interval. The dates for this portion of the program are shown as the number of days after moving in the larger drilling rig.

### Days

- 1 & 2 Move in and rig up.
- 3 to 12 Gas drill from 6542' to a total depth ranging from about 8,000' to 10,500'.
- 12 to Move out drilling rig and move in circulatory pump and equipment for rubble-chimney completion program.
- 15 to Circulate shale dispersing solution for about 15 days to create en-30 larged hole diameter and greatly enlarged cavities in the shale sections for the rubble-chimney completion program.
- Circulate anti-dispersion solution for about 2 days; hang lines through open hole section; swab to blow hole dry; complete for production.

- 5/14 Open well; small blow; well dies; drop soap stick in well.
- 5/15 Drop soap stick broken into small pieces.
- 5/16 Open well; small blow; well dies; drop soap stick broken into small pieces.
- 5/17 Open well; well dead.
- Move in rig to swab; find fluid level at 1,400° depth, some foam; fill tubing with water; annulus pressure was 125 psi before unseating packer; annulus flows clear water, slightly salty; unseat packer and annulus fluid level drops; well left open overnight.
- Annulus had unloaded some water overnight; fill annulus with water; pull tubing and lay down as singles. Run McCullough Casing Inspection Log and Electronic Casing Caliper Log to determine possible corrosion of casing and feasibility of repairing casing leak. Casing Inspection Log and Caliper Log show casing in good condition and not weakened by corrosion. Casing leak not visible on log and therefore must be either a casing collar leak or a hair-line casing split. This leak should be repairable by squeeze-cementing. (Note: The perforated gas sands now produce excessive water into the well-bore as the result of the prior water flow from the well-bore into these sands since the occurrance of the casing leak. Therefore, these perforations will have to be squeeze-cemented in order to dry up the hole for gas drilling.)
- B. Repair casing leak and seal off wet perforations by squeeze-cementing to make possible drying up the hole for gas drilling.
  - 5/27 Move in rig; run in tubing and packer; locate casing leak, cleanout hole to T.D.
  - 5/28 Squeeze-cement perforations from 64741 to 64791.
  - 5/29 Squeeze-cement perforations from 62481 to 62681.
  - 5/30 Squeeze-cement casing leak in shallower zone.
  - 5/31 Drill out cement plugs and retainers.
  - 6/1 Finish drilling out cement plugs and retainers, pressure-up casing to test for leaks, swab and blow hole dry.
  - Dry up with circulation of gas, move off small rig and wait for moving in large rig to gas drill to proposed T.D. in excess of 8,000.



#### Natural Buttes Unit #2

### Gilman A. Hill, Unit Operator

June 7, 1968

### Squeeze-Cement Casing Leak and Prior Perforations.

- 5-30-68 Rig up drilling unit. Tear down well-head. Check well-head seal. Pick up tubing in singles. Set HOWCO 7" EZ-Drill cement retainer at 6492 KB.
- 5-31-68 Set second HOWCO 7" EZ-Drill cement retainer at 6431' KB. Squeeze 100 sacks Class G cement into perforations from 6472' to 6479' KB. Final cement squeeze pressure was 3,000 psi. Pull out of retainer and reverse circulate to surface a small amount of cement remaining in tubing.

Set third HOWCO 7" EZ-Drill retainer at 6214 KB. Squeeze 200 sacks Class G cement through retainer into perforations from 6248 to 6268 KB. Final cement squeeze pressure was 3,000 psi. Pull out of retainer and reverse circulate to surface a small amount of cement remaining in tubing.

Pull tubing out of hole and run back in with HOWCO retrievable squeeze packer to locate casing leak in upper portion of hole. Casing leak found in casing collar at 3,227 KB. Set HOWCO retrievable squeeze packer at 3,086 KB. Squeeze 200 sacks of Class G cement with 2% calcium chloride through retrievable packer into casing collar leak at 3,227 KB. Final squeeze pressure was 1,200 psi. Hold cement in place with 1,000 psi for 30 minutes after completion of squeeze. Unseat packer and reverse circulate to clean tubing. Pull two stands of tubing and shut in well at 1,000 psi pressure to hold cement squeeze in place. Complete work about 30 minutes past midnight.

- 6-1-68 WOC.
- Bled shut-in pressure off tubing and annulus. Pull tubing and remove HOWCO retrievable packer. Pick up 6-1/4" drill bit with four 4-1/4" drill collars. Start drilling cement at 3159 KB and found bottom of cement at 3232 KB. Pressure test casing at 710 psi and found no leak. Start drilling second cement plug at 6207 KB. Drill through retainer at 6214 KB and find bottom of cement plug at 6274 KB. Pressure test casing at 760 psi and found no leak.
- 6-3-68 Start drilling cement on third plug at 6429 KB and drill through retainer set at 6431 KB and find bottom of cement at about 6487 KB. Start drilling bottom retainer at about 6492 KB. Drill approximately half of this bottom retainer before shutting down.

## Drilling and Completion Program Natural Buttes Unit #2

### Gilman A. Hill, Unit Operator

- A. Drill out cement plug and 37' of formation to new T.D. of 6542', check for casing leaks and try to dry up perforated zones.
  - 4/29 Move in and rig up to drill; blow down well and kill by filling with water; displace about 25 bbls. of black, heavy crude from well.
  - Drill out retainer and cement to prior T.D. of 6505; drill 10 ft. of red shale formation (Wasatch) below prior T.D.
  - 5/1 Drill an additional 27 ft. of formation (total 37 ft.) to a new T.D. of 6542 ft. Cut about 10 ft. of sand from about 6522 to 6532.
  - Pull drill string; run in tubing with packer to test for casing leak; found casing leak above 4500 ft. depth which would take about 3 bbls/min. of water at 800 psi; set packer at 5980' with tubing to 6495' below wellhead doughnut (or 6505' below prior drilling rig K.B.). Swabbed down to 4500 ft. depth fluid level.
  - 5/3 Fluid level initially at 1500' depth; swabb down to 6,000' and continued swabbing all day with some water and some gas on each swab.
  - 5/4 Fluid level initially at 3,000' depth after overnight shut-in. Swab down and blow well; well loads up with water and dies, swab down and release rig.
  - 5/7 Blow well; small flare dimishing to zero as well loads up and dies.
  - 5/8 Blow well; small flare; well loads up and dies.
  - 5/9 Move in swabbing unit and swab; initial fluid level at 1,500; lowered water level to about 3,000; and well unloading; blow about 7 minutes; shut-in overnight to build up pressure.
  - Open well, short flow, well dies, unable to unload water, swab finds water at 2,700'; swab down to about 4,500', blow well, well dies, swab down to 6,000'; periodically blow gas, load up, then swab down; release rig.

Form 9-331 (May 1963)	DEPAR	UN ED STATI TMENT OF THE GEOLOGICAL SU	INTERIOR	SUBMIT IN TRIPL_CATE® (Other instructions on reverse side)	Form appro- Budget But 5. LEASE DESIGNATIO Utah 9579	oved. eau No. 42-R142 N AND SERIAL NO.
		OTICES AND REP			6. IF INDIAN, ALLOTI	EE OR TRIBE NAM!
1. OIL GAS WELL WELL  2. NAME OF OPERATOR					7. UNIT AGREEMENT : Natural Butt 8. FARM OR LEASE N	es Unit
Gilman 3. ADDRESS OF OPERA 6200 PL	A. Hill tor ateau Dri	ve, Englewood			9. WELL NO. Natural Butte	
See also space 17 t At surface	bėlow.)	n clearly and in accordan	•	•	10. FIELD AND POOL, Ute Trail 11. SEC., T., B., M., OI	<u> </u>
	–	9 S - R 20 E,		on 23	Survey or Ari	DA
14. PERMIT NO.		15. ELEVATIONS (Show 4,758 GR.	v whether DF, RT,	GR, etc.)	12. COUNTY OF PARIS	Utah
16.	Check A		ndicate Natu	re of Notice, Report, or C	Other Data	
TEST WATER SHUTFRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other)	r-off X	PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS Despen	<u>x</u>	WATER SHUT-OFF  FRACTURE TREATMENT SHOOTING OR ACIDIZING  (Other)  (Note: Report results Completion or Recompl	REPAIRING ALTERING Drill Decompletion	CASING ENT* OPE T  A on Well

See attached schedule.

18. I hereby certify that the foregoing is true and correct SIGNED Silman A. Hill	TITLE Unit Operator	DATE June 7, 1968
(This space for Federal or State office use)		
APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE

<sup>17.</sup> DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

31/2

- Remaining portion of bottom retainer dropped down into open hole below the 7" casing. Drill balance of retainer together with formation to a total depth of about 6549' KB. Pull drill string out of hole. Lay down drill collars with drill bit. Run tubing back in hole in approximately 1,000' stages and blow hole dry with gas on each stage.
- 6-5-68 Continue running tubing in hole. Land tubing at 6502 KB (209 joints plus 4 pup joint). Swab tubing until fluid level is approximately 5,900. Blow hole dry by circulating gas down tubing and up casing. Reverse by circulating gas down casing and up tubing to remove remaining water and soap from hole.
- 6-6-68 Blow hole dry by circulating gas down annulus. Very small amount of soapy water blown out of tubing which then remained dry throughout balance of the 30 minute blow period.

Contract of

Form	9-331
(May	1963

Form 9-331 (May 1963)	UNIT STATES DEPARTMENT OF THE INTER GEOLOGICAL SURVEY	SUBMIT IN TRIPLICA (Other Instructions on re- RIOR verse side)	Form approved. Budget Bureau No. 42-R1424.  5. LEASE DESIGNATION AND SERIAL NO.  Utah 0579
(Do not	SUNDRY NOTICES AND REPORTS use this form for proposals to drill or to deepen or plu Use "APPLICATION FOR PERMIT—" for such	ON WELLS g back to a different reservoir. a proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL WELL	GAS WELL OTHER		7. UNIT AGREEMENT NAME Natural Buttes Unit
2. NAME OF OPE	RATOR Hilman A. Hill		8. FARM OR LEASE NAME
3. Address of	OPERATOR 200 Plateau Drive, Englewood,	Colerado 80110	9. WELL NO. Natural Buttes Unit #2
See also space At surface 660' fro	well (Report location clearly and in accordance with a ce 17 below.)  om N. line & 660° from E. line  VE Sec. 24) T 9 S - R 20 E, SL	of Section 24	10. FIELD AND POOL, OR WILDCAT Ute Trail  11. SEC., T., R., M., OR BLK. AND SURVEY OR ARRA  Sec. 24, T 9 S - R 20 E
14. PERMIT NO.	15. ELEVATIONS (Show whether 4758 GR.	DF, RT, GR, etc.)	12. COUNTY OF PARISH 13. STATE Utah
16.	Check Appropriate Box To Indicate	Nature of Notice, Report, or C	Other Data
	NOTICE OF INTENTION TO:	SUBSEQ	JENT REPORT OF:
TEST WATER FRACTURE T SHOOT OR A REPAIR WEL (Other)	REAT MULTIPLE COMPLETE CIDIZE ABANDON*	WATER SHUT-OFF  FRACTURE TREATMENT SHOOTING OR ACIDIZING  (Other)  (NOTE: Report results Completion or Recomp	REPAIRING WELL ALTERING CASING Drift Deeper  of multiple completion on Well letion Report and Log form.)
17. DESCRIBE PRO proposed nent to thi	·	nent details, and give pertinent dates, ocations and measured and true vertic	including estimated date of starting any al depths for all markers and zones perti-

18. I hereby certify that the foregoing is true and correct SIGNED	TITLE	Office Manager	DATE July 3, 1968
(This space for Federal or State office use)			
APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE		DATE

### Natural Buttes Unit #2 Well - Uintah County, Utah

- 6/25/68 Grade location.
- 6/26/68 Grade location, dig reserve pit and burning pit. Start moving drilling rig to location.
- 6/27/68 Finish grading location, digging reserve pit and burning pit. Move balance of drilling rig to location.
- 6/28/68 Rigging up drilling rig.
- 6/29/68 Finish rigging up, drill rat hole, start laying down production tubing.
- 6/30/68 Finish laying down tubing, lay blooie line and bleed-off line, nipple up for gas drilling, pick up drill bit, collar and drill pipe.
- 7/1/68 Clean out hole to bottom, blow hole dry, drill section from 65491 to 66601.
- 7/2/68 (Noon) Drilling at 68521.
- 7/3/68 (8 A.M.) Drilling at 7102', drilled 270' in last 8 hours, an average of 35' per hour, yesterday afternoon pulled bit #1 (4-W-4), add 5 drill collars to give 23,000 pounds total collar weight, run in with bit #2 (64' 5J), service and repair rig, continue to drill at 7102'.

DATE \_\_\_\_\_

			1	
Form 9-331 (May 1963)	UTED STATES		on re-	
DEF	PARTMENT OF THE IN		5. LEASE DESIGNATION AND Utah 0579	) SERIAL NO.
	GEOLOGICAL SURV		6. IF INDIAN, ALLOTTEE OF	R TRIBE NAME
	NOTICES AND REPO or proposals to drill or to deepen of APPLICATION FOR PERMIT—" for	RTS ON WELLS or plug back to a different reservoir or such proposals.)		
1. OIL GAS WELL C	THER		7. UNIT AGREEMENT NAME Natural Butte	es Unit
2. NAME OF OPERATOR Gilman A. I	4111		8. FARM OR LEASE NAME	
3. Address of operator 6200 Platea	u Drive, Englewood	, Colorado 80110	9. WELL NO. Natural Buttes	Unit #2
See also space 17 below.) At surface	ocation clearly and in accordance v	•	10. FIELD AND POOL, OR W	ILDCAT
	ine & 660' from E. 1		11. SEC., T., R., M., OR BLK.	. AND
(C NE NE Sec.	24), T 9 S - R 20 E	, SLM	Sec. 24, T 9 S	- R 20 E
14. PERMIT NO.	15. BLEVATIONS (Show will 4758 GR.	hether DF, RT, GR, etc.)	12. COUNTY OR PARISH 13. Uintah	3. STATE Utah
16. <b>Ch</b>	eck Appropriate Box To Ind	icate Nature of Notice, Repo	rt, or Other Data	
NOTICE	OF INTENTION TO:	_	SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WEL	L
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMEN		'a
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZ	Drill Deeper	X
(Other)	CHANGE PLANS	(Other)(Note: Report	results of multiple completion on Recompletion Report and Log form.)	Well
See attached				
18. I hereby certify that the for SIGNED	egoing is true and correct	Office Manager	DATE July 1	5, 1968
(This space for Federal or S			DATE	***************************************

TITLE \_

APPROVED BY \_\_\_\_\_\_\_ CONDITIONS OF APPROVAL, IF ANY:

Drilling Repor' Natural Buttes Unit #2 Well - intah County, Utah

7/26/68 9:00 A.M., tubing = 0 psi, annulus = 730 psi. Close tubing valve to shut in well.
1:00 P.M., tubing = 525 psi, annulus = 700 psi.

7/27/68 Tubing = 1,050 psi, annulus = 770 psi. Well shut in.

7/28/68 Tubing = 1,600 psi, annulus = 1,350 psi. Well shut in.

7/29/68 Tubing = 1,940 psi, annulus 1,620 psi. Will open annulus valve in attempt to blow gas down tubing and up annulus to open perforations at 8,016' depth.

At this time, the perforations in the drill pipe production string in this well are at the following depths (measured from ground level - GR):

<u>Date</u>	Perforation Depths
7/14/68	8 holes @8820' to 8822' 6 holes @8615' to 8617' 4 holes @8410' to 8411' 4 holes @8016' to 8017'
11/1/68	10 holes @8702', 8704',8706',8708',8710',8712',8714',8716',8718',8720' 15 holes @8593',8595',8597',8599',8601',8603',8605',8607',8609',
	8542',8544',8546',8548',8550',8552' 16 holes @8408',8410',8412',8414',8416',8418',8420',8430',8432', 8434',8436',8444',8446',8448',8450',8452'
11/2/68	15 holes @8192',8194',8196',8198',8200',8202',8204',8206',8208', 8210',8212',8214',8216',8218',8220' 12 holes @8072',8074',8076',8078',8080',8082',8084',8086',8088',
	8090',8092',8094' 12 holes @7870',7872',7874',7876',7878',7892',7894',7896',7902', 7904',7906',7908' 8 holes @7802',7804',7806',7808',7810',7812',7814',7816'
	15 holes @7657',7659',7661',7663',7665',7667',7669',7671',7673', 7675',7677',7679',7681',7683',7685' 12 holes @7556',7558',7560',7562',7564',7574',7576',7578',7580',
	7582',7584',7586' 10 holes @7506',7508',7510',7512',7514',7516',7529',7531',7533',7535'
12/4/68	10 holes @7240',7242',7244',7246',7258',7260',7264',7266',7268',7270' 8 holes @7038',7048',7050',7052',7054',7056',7058',7060 9 holes @6674',6676',6678',6680',6682',6684',6686',6688',6690' 3 holes @6485',6486',6488'

- 7/13/68 Trip pipe out of hole. Recover 259 joints of drill pipe for total of 7881'. Found tool joint washed out at 5120' depth. Trip pipe into hole open ended and screw into fish. Had to circulate mud 3 times during trip in in order to kill well blow-outs.
- Run McCullough free point instrument but unable to get instrument below 8036' depth. Run sinker bar with bumper sub to push obstruction in drill pipe down to 8837'. Run free point instrument and measure free point at 8450', 8500', 8558', 8816' and 8824'. Run sinker bars with bumper sub to push obstruction inside pipe down to 8960' depth. Attempt to shoot off pipe at 8960' but unable to circulate or pull free. Make second attempt to shoot off drill pipe at 8960' but unable to circulate or pull free. Attempt to perforate drill pipe with 8 jet shots at 8820-8822 but unable to get circulation. Measure free points at 8600' and 8700'. Attempt to perforate pipe with 6 shots at 8615-8616½' but unable to get circulation. Attempt to perforate pipe with 4 shots at 8410' but unable to get circulation. Throughout this day the well kept pressuring up with gas on annulus. Periodically blow gas and mud from annulus and then pump heavily weighted mud into annulus in attempt to control gas blow-out problem.
- 7/15/68 Attempt to perforate drill pipe with 4 jet shots at 8016' and succeed in getting circulation of drilling mud. Circulate 9.5 weighted (Beroid) mud (52 viscosity) to kill well and control the blow-out problem. Run 1-3/4" diameter sinker bar to determine depth to which logs could be run inside drill pipe. Pushed obstruction down to 8982'. Run McCullough Gamma Ray and Neutron logs inside drill pipe from 8990' up to 4990'. Circulate mud to condition hole for back-off shot and trip out. Back-off drill pipe at 6422' depth. Lay down drill pipe on trip out of hole.
- 7/16/68 Run 2-7/8" O.D. tubing into hole and screw into 3-1/2" drill pipe at  $6423\frac{1}{2}$ ' depth. Land tubing on well head donut at 52,000 pounds weight (37,000 pounds tubing weight plus 15,000 pounds strain on 3-1/2" drill pipe). Circulate mud  $1\frac{1}{2}$  hours. Remove rotating head and blow-out preventor. Release drilling rig. Start rigging down and moving off location.
- 7/17/68 Finish rigging down and moving off location.
- 7/18/68 Rig up completion rig. Assemble spudding tool with bumper sub, hydraulic jars and sinker bar.
- 7/19/68 Attempt to spud through obstruction located at approximately 9,000' depth. Succeed in moving obstruction about 50' farther down hole and are then unable to make further progress. Rig down completion rig and move off hole. Open tubing to unload drilling mud and gas from hole. Shut in well overnight.
- 7/20/68 After overnight shut in, tubing = 2,000 psi, casing = 470 psi. Open annulus to unload drilling mud until annulus = 0 psi, tubing = 1625 psi. Open tubing to unload drilling mud and gas. After well stopped unloading mud, dry gas continued to flow at a rate of about 200 mcf per day. Allow well to continue to blow overnight.

- 7/21/68 Use Halliburton pump truck to pump 1% potassium chloride water plus Halliburton soap suds down tubing and up annulus to displace the drilling mud. After 43 barrels of water injection, the injection pressure built up to approximately 500 psi and then broke back to about 200 psi. Apparently perforations at 8016' were partially plugged and required this pressure to break down to establish circulation from tubing to annulus. After 173 barrels of water injection the first drilling mud started being produced out of the annulus. After 349 barrels of water injection the first soapy water returned to surface indicating the end of displacement of drilling mud. After 370 barrels this water injection was terminated. Over most of the injection period, the injection rate was about 4 to 5 barrels per minute with injection pressures ranging from 500 to 700 psi. Over short periods injection pressure was increased to about 1600 psi by increasing the injection rate. Open both tubing and annulus to allow well to unload soapy water solution. Leave both tubing and annulus open overnight to allow well to continue to unload.
- 7/22/687:00 A.M., well blowing dry gas with some condensate. No water or foam.9:00 A.M., pressure tubing to 500 psi using gas from Mountain Fuel

Supply line and shut in tubing. Annulus produced some heads of foam and gas.

1:00 P.M., shut in both annulus and tubing.

2:00 P.M., annulus = 100 psi, tubing = 850 psi.

7:30 P.M., annulus = 425 psi, tubing = 1200 psi.

7:45 P.M., open annulus for blow down. Annulus = 0 psi, tubing = 1150 psi. Blow decreased to small amount.

9:10 P.M., started producing first water slugs with tubing pressure of 1125 psi. Continued producing intermitent slugs of foamy water.

7/23/68 12:30 A.M. to 2:00 A.M., well unloading large heads of water, foam and spray.

2:00 A.M., flow rate decreased to about 225 mcf per day of dry gas with no foam or spray. Tubing = 325 psi, annulus = 0 psi.

2:30 A.M., pressure up annulus from Mountain Fuel Supply line. Shut in annulus and open tubing to blow.

7:45 A.M., open both annulus and tubing to blow.

9:30 A.M., run Halliburton measuring line with 10 lb. lead weight (3/4" diameter by 5' long). Encounter heavy mud at 8200' with progressively heavier mud down to a depth of 8935'. Lowest point penetrated by lead weight on measuring line was about 8937'. Tool hangs up a little on each tool joint in drill pipe and then slides slowly 30' to next tool joint.

1:00 P.M., remove Halliburton measuring line and pressure up annulus to 375 pai from Mountain Fuel Supply line and shut in both annulus and

to 375 psi from Mountain Fuel Supply line and shut in both annulus and tubing.

- 7/24/68 10:00 A.M., tubing = 1200 psi, annulus = 1125 psi. Open tubing to blow. Blowing slugs of muddy water followed by continuous spray or mist until about 12:30 P.M. Then blowing nearly dry gas with occassional mist. Tubing = 0 psi, annulus = 1125 psi. Leave tubing open to blow overnight.
- 7/25/68 Still blowing dry gas out of tubing. Annulus = 800 psi.

### Natural Buttes Unit #2 Well - Uintah County, Utah

- 7/4/68 Gas drilling \_\_7774', dusting, no water indic\_ed.
- 7/5/68 Gas drilling at 8088' at 8:00 A.M.
  9:30 A.M., well started making water, water flow dried up after
  5 hours, resumed gas drilling at 2:30 P.M.
  11:00 P.M., gas drilling at 8450' with an average rate of about 45
  feet per hour. Gas flow continuously increasing with depth.
- 7/6/68 Drilling at 8910' (1:00 P.M.); trip out; bit #3 (TC7AP) drilled 1,113' in 26\frac{1}{4} rotating hours using mission air hammer; survey shows slope beyond 6 degree limit of chart; drag over 20,000 pounds on drill string.
- 7/7/68 Drilling at 9131' (11:15 A.M.); drill string drag and torque slowly increasing indicating crooked hole.
- 7/8/68 Drilled to 9597' (9:00 A.M.); very good drilling break from 9558' to 9597'; upper 6' of drilling break tested 780 mcf per day; 34' of drilling break (9558' to 9594') tested 1.71 mmcf per day after  $l\frac{1}{2}$  hour flow test on  $l\frac{1}{4}$ "orifice plate test gauge; after completing flow test drilled  $3\frac{1}{2}$ ' of new hole then pulled up to circulate and stuck drill pipe; unable to rotate or move up or down; gas circulation rate reduced by pack off around drill bit; install gas booster (900 psi) but gas circulation rate continued to decrease; injected mud mist in attempt to open circulation path and free drill pipe but circulation continued to decrease. Gas circulation dropped to zero; released gas booster at midnight; tested 700 mcf per day flow rate (1"orifice plate meter) from the portion of open hole above the point where the drill pipe is stuck.
- 7/9/68 Drill pipe still stuck; mixed mud to try to get circulation past stuck pipe. Used KCl in mud to minimize shale caving into hole. Fill drill pipe with mud and apply 2200 psi pump pressure without achieving any circulation. Pressure bled off slowly and afterwards about 1/2 barrel per minute of mud could be injected at 1500 psi. Circulation rate gradually increased. By 4:00 P.M. about 5 barrels per minute could be circulated around the pipe at 800 psi. Preparing to spot diesel oil with "Pipe Lax" (SA 47) around drill collars in attempt to work pipe loose.
- 7/10/68 Working stuck drill pipe, circulating mud. Run McCullough free point tool, find free point below 9480'
- 7/11/68 String shot at 2 collars off bottom but could not back off. Unable to get free point instrument below top of 17 collars. Second string shot at 2 collars off bottom but could not back off. Appears to be too much drag in hole to work torque down to shot point. Third string shot at 4 collars off bottom but could not back off. Fourth string shot at 7 collars off bottom but could not back off. Unable to torque up for fifth string shot. String head backed up. Started pulling backed off drill string out of hole. After pulling 67 stands (4100') well started blowing out. Mud and gas blew higher than top of derrick. Got Kelly connected to drill string and circulated mud to kill well. Mixing new mud to recondition hole.
- 7/12/68 New mud with 50+ viscosity circulated down hole. Running drill pipe into hole in 1,000' increments to circulate new mud over lower portion of hole displacing the old gas-cut mud.

3. ADDRESS OF OPERATOR 6200 Plate	eau Drive, Englev	wood, Colorado 80110	9. WELL NO. Natural Butt	es Unit #2
4. LOCATION OF WELL (Report See also space 17 below.) At surface	location clearly and in accord	dance with any State requirements.	10. FIELD AND POOL, Ute Trail	OR WILDCAT
	e & 660' from E.	line of Section 24	11. SEC., T., R., M., OF	
(C NE NE Sec. 2	4), T 9 S - R 20	E, SLM	Sec. 24 - T 9	
14. PERMIT NO.	15. ELEVATIONS (5	Show whether DF, RT, GR, etc.)	12. COUNTY OR PARIS	Utah
16.	Check Appropriate Box T	To Indicate Nature of Notice, Report	, or Other Data	
NOTIC	E OF INTENTION TO:	s	SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER CAS	ING WATER SHUT-OFF	REPAIRING	WELL
FRACTURE TREAT	MULTIPLE COMPLET	E FRACTURE TREATMENT	r ALTERING	CASING
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZIN		ENT*
REPAIR WELL	CHANGE PLANS	(Other)	Deeper results of multiple completio	
(Other)		Completion or R	Recompletion Report and Log	form.)
nent to this work.) *			vertical depths for all mark	
nent to this work.) *				
nent to this work.) *		TITLE Unit Operator		ly 29, 1968

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	Form 9-331 (May 1963)		JMITED STATES	SUBMIT IN TRICAT	Form approved. Budget Bureau No. 42-R1424.  5. LEASE DESIGNATION AND SERIAL NO.
, 1			MENT OF THE INTER	IOR verse side)	Utah 0579
	SHND	RY NOTI	6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
	(Do not use this for	rm for propose	<b>-</b> -		
ī	1. OIL GAS X				7. UNIT AGREEMENT NAME Natural Buttes Unit
<u>,</u>	WELL WELL 2. NAME OF OPERATOR	OTHER			8. FARM OR LEASE NAME
_	Gilman A. Hi	111			
3	3. ADDRESS OF OPERATOR	•		20110	9. WELL NO.
<u> </u>			Englewood, Colorade early and in accordance with any		Natural Buttes Unit #2  10. FIELD AND POOL, OR WILDCAT
_	See also space 17 below. At surface	.)	•	·	Ute Trail
	660' from N.	line & 66	0' from E. line of	Section 24	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
	(C NE NE Sec.	24), T	9 S - R 20 E, SLM		Sec. 24- T 9 S - R 20 E
7	14. PERMIT NO.		15. ELEVATIONS (Show whether DE	r, RT, GR, etc.)	12. COUNTY OR PARISH 13. STATE
			4758' GR.		Uintah Utah
1	16.	Check Ap	propriate Box To Indicate N	Nature of Notice, Report, or	Other Data
	NO	TICE OF INTENT	•	•	EQUENT REPORT OF:
	TEST WATER SHUT-OFF	P	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
	FRACTURE TREAT		MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
	SHOOT OR ACIDIZE	X	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*
	REPAIR WELL	c	CHANGE PLANS	(Other)	
					11 4
_	(Other)			(Note: Report resu Completion or Recor	alts of multiple completion on Well mpletion Report and Log form.)
1	17. DESCRIBE PROPOSED OR C	OMPLETED OPER	RATIONS (Clearly state all pertiner nally drilled, give subsurface loca	(Note: Report resu Completion or Recor	alts of multiple completion on Well mpletion Report and Log form.) tes, including estimated date of starting any tical depths for all markers and zones perti-
	17. DESCRIBE PROPOSED OR C proposed work. If w nent to this work.) *			(Note: Report resu Completion or Reconnt at details, and give pertinent data tions and measured and true ver	mpletion Report and Log form.) tes, including estimated date of starting any tical depths for all markers and zones perti-
7	17. DESCRIBE PROPOSED OR C proposed work. If w nent to this work.) * 7/29-7/30/68: A	ttempt to	o open perforations	(Note: Report resured and true ver at 8016 depth and	to circulate gas to dry fm.
7	17. DESCRIBE PROPOSED OR C proposed work. If we nent to this work.) * 7/29-7/30/68: A 7/31-8/1/68: Ins	ttempt to	o open perforations ydrator unit to test	(Note: Report resured and street at 8016' depth and Wasatch gas product	to circulate gas to dry fm.  ction (6505' to 8016').
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7 7 8 d	17. DESCRIBE PROPOSED OR C proposed work. If we next to this work.) *  7/29-7/30/68: A  7/31-8/1/68: Ins  8/1-8/25/68: Tedrying out the was	ttempt to stall dehy st Wasat ater dam	o open perforations ydrator unit to test tch production (6505 naged zone around th	(Note: Report resuccione de la completion or Reconnection et details, and give pertinent dat dions and measured and true ver at 8016' depth and Wasatch gas production to 8016'). Evaluate well bore and other complete com	to circulate gas to dry fm.  ction (6505° to 8016°).  test including estimated date of starting any titcal depths for all markers and zones pertition (6505° to 8016°).
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APPROVED BY \_\_\_\_\_\_CONDITIONS OF APPROVAL, IF ANY:

DATE \_\_\_\_\_

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Ute Tr		

### LESSEE'S MONTHLY REPORT OF OPERATIONS

Utah

Form 9-329 (January 1950)

		n	enve	r,.Col	orado8020	3	Sigi	ned		Oil Company U. Cook
BEC. AND KOTK		Range	WELL No.	DATS PRODUCED	Barbels of Oil	GRAVITY	Cv. Fr. or Cas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 24										
e ne	<b>9</b> 8	20E	6	O	0		O			LEASE SOLD TO
										MR. GILMAN HILL
	. •				• •					Cum. Production 178,490MCF
	•									
	•									•
•										
				<u> </u>	<u> </u> Vo	<u> </u>		No		

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Form 9-331 (May 1963)	DEPARTMENT	D STATES OF THE INTERI	SUBMIT IN TRIPLAT (Other instructions on verse side)	5. LEASE DESIGNATION	eau No. 42-R1424.
·	GEOLOG	SICAL SURVEY		Utah 0579	
SUI (Do not use th	NDRY NOTICES As form for proposals to dr. Use "APPLICATION FO	ND REPORTS ( ill or to deepen or plug b R PERMIT—" for such p	ON WELLS  pack to a different reservoir.  roposals.)	6. IF INDIAN, ALLOTTI	EE OR TRIBE NAME
OIL GAS WELL WELL	OTHER			7. UNIT AGREEMENT N Natural But	
2. NAME OF OPERATOR				8. FARM OR LEASE NA	ME
Gilman A	. Hill				
3. ADDRESS OF OPERAT				9. WELL NO.	
6200 Pla	eau Drive, Eng	lewood, Colora	do 80110	Natural Butt	
See also space 17 b At surface				10. FIELD AND POOL, Ute Trail	
660' from N.	line & 660' fro	m E, line of Se	ection 24	11. SEC., T., R., M., OR SURVEY OR ARE	BLK. AND
(C NE NE Se	c. 24), T. 9 S -	R 20 E, SLM		Sec. 24-T 9	
14. PERMIT NO.	15. ELE	VATIONS (Show whether DF	, RT, GR, etc.)	12. COUNTY OR PARIS	H 13. STATE
		1758 GR.			
16.	Check Appropria	te Box To Indicate N	lature of Notice, Report, o		
	NOTICE OF INTENTION TO:		SUBS	EQUENT REPORT OF:	
TEST WATER SHUT	-OFF PULL OR	ALTER CASING	WATER SHUT-OFF	REPAIRING	WELL
FRACTURE TREAT	MULTIPLE	COMPLETE	FRACTURE TREATMENT	ALTERING	CASING
SHOOT OR ACIDIZE	ABANDON*	<u> </u>	SHOOTING OR ACIDIZING	ABANDONM	
REPAIR WELL	CHANGE P	LANS	(Other) Testi		X
(Other)			Completion or Reco	ults of multiple completion mpletion Report and Log f	orm.)
17. DESCRIBE PROPOSED proposed work. nent to this work	if well is directionally dri	(Clearly state all pertines led, give subsurface loca	it details, and give pertinent da tions and measured and true ver	tes, including estimated de tical depths for all marke	ate of starting an ers and zones perti
See attached					

DATE August 22, 1968

TITLE Unit Operator

18. I hereby certify that the foregoing is true and correct

(This space for Federal or State office use)

Form approved. Budget Bureau No. 42-R356.5.

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City, Utal
LEASE NUMBER Utah 0579
UNIT -Natura 1 Buttes

## LESSEE'S MONTHLY REPORT OF OPERATIONS

4												
S	tate	Utah	<u>.</u>		Co	unty Uinta	.h		Fiel	d Bitt	er Creel	till a I during
	TI.	a fall	വാദ്മ രീ	ie a	correc	t report of	operati	ons and	prod	luction (i1	icluding d	rilling and producing
ı	vells) f	or the	e mon	th of	Au	gust		, 19 <b>68</b> ,	~		lman A	Hill Unit Operator
J	lgent's	addr	ess	6200	Colo	rado 8011	0		Sign	red	man s	Hill, Unit Operator
-		203	grew	11	00.0.				Age	nt's title -		
1	Phone .	<u> </u>	7-111	TAA	<u> </u>			Cu. Fr. or		GALLONS OF	BARRELS OF	REMARKS
_	SEC. AND	TWP.	RANGE	WELL No.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	(In thousan		GASOLINE RECOVERED	WATER (If none, so state)	date and result of test for gasoline content of gas)
C NE Sec.		9 S	20 E	Unit #2	0	0	_	0		0	0	Testing and cleaning out sand and cavings
					5	·						
ŧ												
,												

Note.—There were \_\_\_\_\_ M cu. ft. of gas sold; \_\_\_\_\_ M cu. ft. of gas sold;

runs or sales of gasoline during the month. (Write "no" where applicable.) Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329 (January 1950)

16-25766-9 U. S. GOVERNMENT PRINTING OFFICE

				PINBPE	
331 963)	<b>ԱTED STATES</b>	Form approv	ed. au No. 42–R1424.		
DFPAR	TMENT OF THE INTER	OR (Other instructions on re-	5. LEASE DESIGNATION		
DEI /III	GEOLOGICAL SURVEY		Utah 0579		
CHNIDDY NO	TICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTE	E OR TRIBE NAME	
(Do not use this form for pro Use "APPL"	• •				
		· · · · · · · · · · · · · · · · · · ·	7. UNIT AGREEMENT NA	ME	
L GAS K OTHER		Natural Buttes Unit			
E OF OPERATOR			8. FARM OR LEASE NAME		
Gilman A. Hill			- ~		
RESS OF OPERATOR			9. WELL NO.		
6200 Plateau Driv	e, Englewood, Colora	ndo 80110	Natural Buttes Unit #2		
ATION OF WELL (Report location	clearly and in accordance with any	State requirements.	10. FIELD AND POOL, 0	R WILDCAT	
also space 17 below.) surface			Ute Trail		
from N. line & 66	01 from E. line of Se	ection 24	11. SEC., T., R., M., OR I		
E NE Sec. 24), T	. 9 S, R. 20 E., SLM		Sec. 24-T 9 S		
MIT NO.	15. ELEVATIONS (Show whether Di	, RT, GR, etc.)	12. COUNTY OR PARISH	13. STATE	
	4758 GR.		Uintah	Utah	
Check A	Appropriate Box To Indicate N	Nature of Notice, Report, or C	Other Data		
NOTICE OF INT	FENTION TO:	JOHERUS	JENT REPORT OF:		
ST WATER SHUT-OFF	PULL OR ALTER CASING MULTIPLE COMPLETE	WATER SHUT-OFF FRACTURE TREATMENT	REPAIRING V	[ <del></del> ]	

GAS WELL WELL 2. NAME OF OPERATOR Gilman A. Hill 3. ADDRESS OF OPERATOR 6200 Plateau Drive, Englewood, Colorado 8011
LOCATION OF WELL (Report location clearly and in accordance with any State requires
See also space 17 below.)
At surface 660' from N. line & 660' from E. line of Section 24 (C NE NE Sec. 24), T. 9 S, R. 20 E., SLM 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 14. PERMIT NO. 4758 GR. 16. Check Appropriate Box To Indicate Nature of N NOTICE OF INTENTION TO: TEST WATER SHUT-OFF PULL OR ALTER CASING WATE FRACTURE TREAT MULTIPLE COMPLETE SHOOTING OR ACIDIZING

(Other)

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) SHOOT OR ACIDIZE ABANDON\* CHANGE PLANS REPAIR WELL (Other) 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See attached

Form 9-331 (May 1963)

18. I hereby certify that the foregoing is true and correct SIGNED.	TITLE Unit Operator	DATE Sept. 5, 1968
(This space for Federal or State office use)		
APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE

Form approved.  Budget Bureau No. 42-R356.5.  Salt Lake City, Utal
LAND OFFICE
LEASE NUMBER Utah 0579
UNIT Natural Buttes

### LESSEE'S MONTHLY REPORT OF OPERATIONS

wells) fo	r the	mon	th of	Se	ptember		, 19 <b>68</b>	 прави С	ilman A	rilling and producing  Hill, Unit Cperato
	Eng	lewo	od.	Color	ado 80110		Sign	ned Lill	man.	700
Phone	30	3-77	1-11	01				nt's title		
SEC. AND	Twp.	RANGE	WELL No.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	Cu. Ft. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE NE Sec. 24	95	1	Jnit #2	0	0		0	0	0	Testing well and in jecting KCl salt to stabilize shale cavings.
			A COLUMN TO THE COLUMN TWO COLUMN TO THE COLUMN TWO COL							
		i i	1	1	1	1				

Note.—There were \_\_\_\_\_\_ M cu. ft. of gas sold; \_\_\_\_\_ none \_\_\_\_ M cu. ft. of gas sold;

none runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

		Form (May	<b>9–331</b> 1963)
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#### U. TED STATES SUBMIT IN TRI. CATE\* DEPARTMENT OF THE INTERIOR (Other instructions on reverse side) Form approved. Budget Bureau No. 42-R1424. 5. LEASE DESIGNATION AND SERIAL NO. Utah 0579 GEOLOGICAL SURVEY 6. IF INDIAN, ALLOTTEE OR TRIBE NAME SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.) 7. UNIT AGREEMENT NAME WELL Natural Buttes Unit 8. FARM OR LEASE NAME 2. NAME OF OPERATOR Gilman A. Hill 9. WELL NO. 3. ADDRESS OF OPERATOR Natural Buttes Unit #2 6200 Plateau Drive, Englewood, Colorado 80110 LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.) At surface 10. FIELD AND POOL, OR WILDCAT Ute Trail 660' from N. line & 660' from E. line of Section 24 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA (C NE NE Sec. 24), T. 9 S., R. 20 E., SLM Sec. 24-95-20E 12. COUNTY OR PARISH 13. STATE 14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4758 GR. Utah Uintah 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOT	ICE OF I	TENTION TO:	SUBSEQUENT REPORT OF.				
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other)	x	PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS		WATER SHUT-OFF  FRACTURE TREATMENT  SHOOTING OR ACIDIZING  (Other)  (NOTE: Report resu Completion or Reco	ilts of multiple	completion on Wel	X

### See attached program.

Phase A: Work done to date.

Phase B, C & D: Work proposed to be done over the next 6 weeks period.

18. I hereby certify that the foregoing is true and correct	TITLE Unit Operator	DATE Oct. 17, 1968
(This space for Federal or State office use)		
APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE

<sup>17.</sup> DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

t			1	P P .
Form 9-331 (May 1965)	UMITED STATES DEPARTMENT OF THE INT GEOLOGICAL SURVEY		Form approved Budget Bureau  5. LEASE DESIGNATION A Utah 0579	No. 42-R1424.
	NDRY NOTICES AND REPORT his form for proposals to drill or to deepen or r Use "APPLICATION FOR PERMIT—" for st	IS ON WELLS	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
1. OIL GAS	- <b>X</b>		7. UNIT AGREEMENT NAM	
WELL WELL  2. NAME OF OPERATOR	C OTHER		Natural Butter	
Gilman			-	
3. ADDRESS OF OPERA	TOR		9. WELL NO. Natural Buttes	IInit #2
	ateau Drive, Englewood, Co		10. FIELD AND POOL, OR	
4. LOCATION OF WELL See also space 17   At surface	(Report location clearly and in accordance with pelow.)	any State requirements.	Ute Trail	WINDCAL
660' from N.	line & 660' from E. line of	Section 24	11. SEC., T., R., M., OR BL SURVEY OR AREA	K. AND
(C NE NE Sec	2. 24), T 9 S, R 20 E, SLM		Sec. 24-95-2	· OE
4	(0)		12. COUNTY OR PARISH	
14. PERMIT NO.	15. ELEVATIONS (Show wheth	ner Dr, KT, GK, etc.)	Uintah	Utah
10		. N (N D	Other Detail	
16.	Check Appropriate Box To Indica		Other Daid	
	NOTICE OF INTENTION TO:	ſ		
TEST WATER SHU		WATER SHUT-OFF	REPAIRING W	1
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT SHOOTING OR ACIDIZING	ABANDONMENT	1
SHOOT OR ACIDIZE REPAIR WELL	CHANGE PLANS		erforating	X
(Other)		(Note: Report resul	lts of multiple completion on mpletion Report and Log form	n Well m.)
17. DESCRIBE PROPOSEI	OR COMPLETED OPERATIONS (Clearly state all per If well is directionally drilled, give subsurface	rtinent details, and give pertinent date	es, including estimated date	of starting any
nent to this worl	k.) *		ical depens for all markers	and south perti-
	l with KCl water preparator	y to perforating.		
	te as follows:	7101 07131 07141 071	41 07101 <b>97</b> 201	
1st run 10 holes @	8702',8704',8706',8708',8	04011 84031 84041 841 0410, 8412, 9414, 941	0',8116',8120'	86131 861
2nd run 15 holes	8593',8595',8597',8599',8	2001, '9002, '9003, '906	, , , , , , , , , , , , , , , , , , , ,	, 3013 , 301
2-1	8621',8623',8625' 98520',8522',8524',8526',8	25281 25301 25361 253	381 85401 85421	.85441.854
3rd run 15 notes @	85481,85501,85521	5,26,03,0,0330,0330	,0,10,10	,0311,031
Ath was 16 holes @	8408',8410',8412',8414',8	416' 8418' 8420' 843	0'.8432'.8434'	.8436'.844
	8446',8448',8450',8452'	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	te as follows:			
5th run 15 holes @	8192',8194',8196',8198',8	3200',8202',820 <b>4'</b> ,820	6',82 <mark>08',821</mark> 0',	, <b>8212'</b> , 8214
	8216',8218',8220'		•	
6th run 12 holes @	8072',8074',8076',8078',8	3080',8082',8 <mark>084',8</mark> 08	16',80 <b>88',80</b> 90',	, <b>80921, 80</b> 94
7th run 12 holes @	7870',7872',7874',7876',7	7878' , 7892' , 7894' , 789	96',7902 <b>',79</b> 04',	, <mark>7906'</mark> , 7908
8th run 8 holes @	7802',7804',7806',7808',7	7810',7812',7814',781	161	
9th run 15 holes @	7657',7659',7661',7663',7	7665' ,7667' ,7669' ,767	11',7673', <b>76</b> 75'	,76771,7679
	7681',7683',7685'			
10th run 12holes	7556',7558',7560',7562',7	7564',7574',7576',757	18',7580',7582'	,7584',7586
11th run 10holes @	7506',7508',7510',7512',7	7514',7516',7529',753	7535', 7535', 11	
18. I hereby certify t	hat the foregoing is true and correct			
SIGNED	Mary Holl TITLE	Unit Operator	DATE NOV.	11, 1968
(This space for F	ederal or State office use)			
` -			To A MITA	
APPROVED BY CONDITIONS OF	APPROVAL, IF ANY:		DATE	

Form 9-331

### D STATES IIN

Form approved.

DATE \_

(May 1963)	DEPARTMENT OF THE INTERIOR	(Other instructions on re-	Budget Bur	eau No. 42-R1424.
		verse side/	Utah 0579	AND SHEED NO.
	GEOLOGICAL SURVEY		6. IF INDIAN, ALLOTT	EE OR TRIBE NAME
	SUNDRY NOTICES AND REPORTS ON		. ,	,
(Do not use	this form for proposals to drill or to deepen or plug back t Use "APPLICATION FOR PERMIT—" for such proposa	o a different reservoir. ls.)		
1.			7. UNIT AGREEMENT N	AME
OIL GA	S ELL OTHER		Natural Butte	s Unit
2. NAME OF OPERAT	OB		8. FARM OR LEASE NA	ME
Gil	man A. Hill			
3. ADDRESS OF OPE	RATOR		9. WELL NO.	·
620	00 Plateau Drive, Englewood, Color	ado 80110	Natural Butt	
See also space 1	LL (Report location clearly and in accordance with any State 7 below.)	requirements.	10. FIELD AND POOL,	OR WILDCAT
At surface 660! from N	I. line & 660' from E. line of Section	n 24	Ute Trail	RIK AND
		788 66 78	SURVEY OR ARE	A
(C ME ME 3	ec. 24), T 9 S, R 20 E, SLM		Sec. 24-95-2	20E
14, PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, G	R, etc.)	12. COUNTY OB PARIS	
	4758 GR.		Uintah	Utah
		()1 . 5		
16.	Check Appropriate Box To Indicate Natur	e of Notice, Report, or C	Other Data	
	NOTICE OF INTENTION TO:	SUBSEQ	UENT REPORT OF:	
TEST WATER SE	HUT-OFF PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING	WELL
FRACTURE TREA	T MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING	CASING
SHOOT OR ACIDI	ZE ABANDON*	SHOOTING OR ACIDIZING	ABANDONM	ENT*
REPAIR WELL	CHANGE PLANS	(Other)	of multiple completion	on Well
(Other) Pel	rforate additional zones X	Completion or Recomp	of multiple completion letion Report and Log f	orm.)
nent to this w  Zone 1  Zone 2	7240' to 7270' = 10 shots/30' 7034' to 7060' = 10 shots/26'			
* 3	//741 //001 - 30 1 - /3/1			
Zone 3	6674° to 6690° = 10 shots/16°			
				٠
				•
8. I hereby certify	that the foregoing is true and correct	<del></del>		<del></del>
, <i>S</i> "	17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Operator	Now	. 27, 1968
SIGNED	TITLE OHI		DATE	. 2., 2700
(This space for	Federal or State office use)			

TITLE .

APPROVED BY \_\_\_\_\_CONDITIONS OF APPROVAL, IF ANY:

Form	9-331
(May	1963)

## UN ID STATES SUBMIT IN TRIPL ATE\* DEPARTMENT OF THE INTERIOR (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

DATE \_

	SEOLOGICAL SURVEY		Utah 0579			
SUNDRY NOTI	6. IF INDIAN, ALLOTTEE OR TRIBE NAME					
(Do not use this form for propose Use "APPLICA"	TION FOR PERMIT—" for such	proposals.)				
			7. UNIT AGREEMENT NAME			
OIL GAS WELL OTHER			Natural Buttes Unit			
NAME OF OPERATOR			8. FARM OR LEASE NAM	E		
Gilman A. Hill						
ADDRESS OF OPERATOR			9. WELL NO.			
6200 Plateau Dri	ve, Englewood, Co	olorado 80110	Natural Buttes	Unit #2		
LOCATION OF WELL (Report location cl See also space 17 below.) At surface	learly and in accordance with an	y State requirements.*	10. FIELD AND POOL, OR Trail	WILDCAT		
0' from N. line & 660'	from E. line of S	ection 24	11. SEC., T., R., M., OR B. SURVEY OR AREA	LK. AND		
NE NE Sec. 24), T 9	S, R 20 E, SLM		Sec. 24-95-20	9E		
PERMIT NO.	15. ELEVATIONS (Show whether	DF, RT, GR, etc.)	12. COUNTY OR PARISH	13, STATE		
	4758 GR.		Uintah	Utah		
Check Ap	propriate Box To Indicate	Nature of Notice, Report, or	Other Data			
NOTICE OF INTEN	TION TO:	SUBSI	EQUENT REPORT OF:			
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING W	IBLL		
	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CA			
	SHOOTING OR ACIDIZING	ABANDONMEN	T*			
<del></del>	ABANDON*	(Other) Perfora	iting	X		
(Other)	lts of multiple completion on pletion Report and Log for	n Well				
DESCRIBE PROPOSED OR COMPLETED OPE proposed work. If well is directionent to this work.)*  2/4/68 Kill well with	onally drilled, give subsurface lo	ent details, and give pertinent dat cations and measured and true vertatory to perforating.	es, including estimated date tical depths for all markers  Perforate as for	of starting an and zones pert		
proposed work. If well is direction nent to this work.)*  2/4/68 Kill well with un #1, 10 holes at 7246 un #2, 8 holes at 7038	Mally drilled, give subsurface look KCl water preparation, 7242', 7244', 7048', 7050', 7	ent details, and give pertinent dat cations and measured and true vertactions are perforating.  7246', 7258', 7260'  052', 7054', 7056',	es, including estimated date tical depths for all markers  Perforate as for a control of the con	of starting an and zones pertollows:		
DESCRIBE PROPOSED OR COMPLETED OPE proposed work. If well is directionent to this work.)*  2/4/68 Kill well with un #1, 10 holes at 7240 un #2, 8 holes at 70380 un #3, 9 holes at 66740	Mally drilled, give subsurface to KCl water preparation, 7242', 7244', 7048', 7050', 7', 6676', 6678', 6	ent details, and give pertinent dat cations and measured and true vertactions are perforating.  7246', 7258', 7260'  052', 7054', 7056',	es, including estimated date tical depths for all markers  Perforate as for a control of the con	of starting an and zones pertollows:		
DESCRIBE PROPOSED OR COMPLETED OPE proposed work. If well is directionent to this work.)*  2/4/68 Kill well with un #1, 10 holes at 7240 un #2, 8 holes at 70380 un #3, 9 holes at 66740	Mally drilled, give subsurface to KCl water preparation, 7242', 7244', 7048', 7050', 7', 6676', 6678', 6	ent details, and give pertinent dat cations and measured and true vertactions are perforating.  7246', 7258', 7260'  052', 7054', 7056',	es, including estimated date tical depths for all markers  Perforate as for a control of the con	of starting an and zones pertollows:		
DESCRIBE PROPOSED OR COMPLETED OPE proposed work. If well is directionent to this work.)*  2/4/68 Kill well with un #1, 10 holes at 7246 un #2, 8 holes at 70386 un #3, 9 holes at 66746	Mally drilled, give subsurface to KCl water preparation, 7242', 7244', 7048', 7050', 7', 6676', 6678', 6	ent details, and give pertinent dat cations and measured and true vertactions are perforating.  7246', 7258', 7260'  052', 7054', 7056',	es, including estimated date tical depths for all markers  Perforate as for a control of the con	of starting an and zones pertollows:		
DESCRIBE PROPOSED OR COMPLETED OPE proposed work. If well is directionent to this work.)*  2/4/68 Kill well with un #1, 10 holes at 7240 un #2, 8 holes at 70380 un #3, 9 holes at 66740	Mally drilled, give subsurface to KCl water preparation, 7242', 7244', 7048', 7050', 7', 6676', 6678', 6	ent details, and give pertinent dat cations and measured and true vertactions are perforating.  7246', 7258', 7260'  052', 7054', 7056',	es, including estimated date tical depths for all markers  Perforate as for a control of the con	of starting ar and zones per collows:		
DESCRIBE PROPOSED OR COMPLETED OPE proposed work. If well is directionent to this work.)*  2/4/68 Kill well with un #1, 10 holes at 7246 un #2, 8 holes at 70386 un #3, 9 holes at 66746	Mally drilled, give subsurface to KCl water preparation, 7242', 7244', 7048', 7050', 7', 6676', 6678', 6	ent details, and give pertinent dat cations and measured and true vertactions are perforating.  7246', 7258', 7260'  052', 7054', 7056',	es, including estimated date tical depths for all markers  Perforate as for a control of the con	of starting ar and zones per collows:		
DESCRIBE PROPOSED OR COMPLETED OPE proposed work. If well is directionent to this work.)*  2/4/68 Kill well with un #1, 10 holes at 7246 un #2, 8 holes at 70386 un #3, 9 holes at 66746	Mally drilled, give subsurface to KCl water preparation, 7242', 7244', 7048', 7050', 7', 6676', 6678', 6	ent details, and give pertinent dat cations and measured and true vertactions are perforating.  7246', 7258', 7260'  052', 7054', 7056',	es, including estimated date tical depths for all markers  Perforate as for a control of the con	of starting ar and zones per collows:		
DESCRIBE PROPOSED OR COMPLETED OPE proposed work. If well is directionent to this work.)*  2/4/68 Kill well with un #1, 10 holes at 7246 un #2, 8 holes at 70386 un #3, 9 holes at 66746	Mally drilled, give subsurface to KCl water preparation, 7242', 7244', 7048', 7050', 7', 6676', 6678', 6	ent details, and give pertinent dat cations and measured and true vertactions are perforating.  7246', 7258', 7260'  052', 7054', 7056',	es, including estimated date tical depths for all markers  Perforate as for a control of the con	of starting ar and zones per collows:		
DESCRIBE PROPOSED OR COMPLETED OPE proposed work. If well is directionent to this work.)*  2/4/68 Kill well with un #1, 10 holes at 7246 un #2, 8 holes at 70386 un #3, 9 holes at 66746	Mally drilled, give subsurface to KCl water preparation, 7242', 7244', 7048', 7050', 7', 6676', 6678', 6	ent details, and give pertinent dat cations and measured and true vertactions are perforating.  7246', 7258', 7260'  052', 7054', 7056',	es, including estimated date tical depths for all markers  Perforate as for a control of the con	of starting ar and zones per collows:		
DESCRIBE PROPOSED OR COMPLETED OPE proposed work. If well is directionent to this work.)*  2/4/68 Kill well with un #1, 10 holes at 7246 un #2, 8 holes at 70386 un #3, 9 holes at 66746	Mally drilled, give subsurface to KCl water preparation, 7242', 7244', 7048', 7050', 7', 6676', 6678', 6	ent details, and give pertinent dat cations and measured and true vertactions are perforating.  7246', 7258', 7260'  052', 7054', 7056',	es, including estimated date tical depths for all markers  Perforate as for a control of the con	of starting ar and zones per collows:		
DESCRIBE PROPOSED OR COMPLETED OPE proposed work. If well is directionent to this work.)*  2/4/68 Kill well with un #1, 10 holes at 7240 un #2, 8 holes at 70380 un #3, 9 holes at 66740	Mally drilled, give subsurface to KCl water preparation, 7242', 7244', 7048', 7050', 7', 6676', 6678', 6	ent details, and give pertinent dat cations and measured and true vertactions are perforating.  7246', 7258', 7260'  052', 7054', 7056',	es, including estimated date tical depths for all markers  Perforate as for a control of the con	of starting ar and zones per collows:		
DESCRIBE PROPOSED OR COMPLETED OPE proposed work. If well is direction nent to this work.)*  2/4/68 Kill well with un #1, 10 holes at 7240 un #2, 8 holes at 70380 un #3, 9 holes at 66740 un #4, 3 holes at 64850	mally drilled, give subsurface to KCl water preparation, 7242', 7244', ', 7048', 7050', 7', 6676', 6678', 6', 6486', 6488'	ent details, and give pertinent dat cations and measured and true vertactions are perforating.  7246', 7258', 7260'  052', 7054', 7056',	es, including estimated date tical depths for all markers  Perforate as for a control of the con	of starting an and zones pertollows:		
DESCRIBE PROPOSED OR COMPLETED OPE proposed work. If well is directio nent to this work.) *	Mally drilled, give subsurface to KCl water preparation, 7242', 7244', ', 7048', 7050', 7', 6676', 6678', 6', 6486', 6488'	ent details, and give pertinent dat cations and measured and true vertactions are perforating.  7246', 7258', 7260'  052', 7054', 7056',	es, including estimated date tical depths for all markers  Perforate as for a control of the con	of starting an and zones pertollows: 7268',7		

APPROVED BY \_\_\_\_\_\_\_\_CONDITIONS OF APPROVAL, IF ANY:

SIGNED / MAN

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 83, below regarding separate reports for separate completions.

In of files, see instructions on items 22 and 24, and 35 below regarding separate reports for separate completions. In types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State

Hem 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hems 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, interval to be separately produced, showing the additional data pertinent to such interval.

Hem 29: "Sacks Cement: Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Hem 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.) or Federal office for specific instructions.

fasatch Fm.     6674'     6690'       7035     7039       7048     7049       7048     7240       7240     7251       7253     7540       7553     7589       7655     7688       7655     768       7655     768       7656     7926       8070     8094       8189     8452       8520     8556       8520     8556       8520     8520       8700     8722       8890     8924	FORMATION	TOP	ROLLON		DESCRIPTION	DESCRIPTION, CONTENTS, ETC.			) <u>I</u>	TOP
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## Completion Program Natural Buttes Unit #2

The control of cavings filling the annulus space around the stuck drill pipe has posed special problems in the attempted completion of this well. One of the primary objectives of this completion program has been to prevent the dispersion of clay minerals and thereby permit the caving shale to maintain a granulated texture with large permeable spaces between the shale granules in the collapsed rubble zone around the drill pipe. In attempt to accomplish this objective, a 2% to 4% potassium chloride (KCl) salt solution was injected into the well and periodically additional KCl salt was added. The perforation operations were necessarily delayed to permit these granulated cavings to fill the annular space around the drill pipe as completely as possible before the cavings in this rubble zone were disturbed by perforating and production.

On November 1 and November 2, a series of 11 zones from 8720' up to 7506' were perforated. From November 3 to December 3 these perforated zones were being tested and evaluated with periodic injection of soap sticks to unload water and mud from the well. Very limited communication was established between the annulus and the production string whereby the casing pressure could not be lowered below about 1400 psi by blowing and unloading the tubing.

On December 4, three additional Wasatch sand zones from 7270' up to 6674' were perforated. Since these additional perforations did not result in changing the casing pressure, significant communication appeared not to have been established between the annulus and production string. Therefore 3 additional holes were perforated through the drill pipe at 6485' to 6488' GR (about 5' above base of 7" casing) to establish free communication between the annulus and production string above any restrictions caused by cavings collapsing around the drill pipe. After shooting these 3 additional holes (6485' to 6488') the well started unloading substantial quantities of water and mud. For the next several days the well continued to periodically unload water, blow down, load up and then unload again. It is now expected that this periodic loading up and unloading of water may continue for several weeks until most of the water trapped in the annulus rubble zone and invaded into some of the sand reservoirs has been worked out of the system and unloaded. Eventually, when the well is dried out by this process, the annulus rubble zone (including any residual drilling mud trapped with the cavings) should develop improved permeability resulting in increased gas production. Consequently the true production potential of this well may not be adequately determined for a period of several weeks to several months. However, for Unit purposes, this well may now be considered completed for gas production effective as of the last perforations made on December 4, 1968.

Phase A. September 3, 1968 to October 30, 1968;

Packing and consolidating well-bore cavings around the drill-pipe production string using a periodic injection of potassium chloride (KCl) salt to stabilize and consolidate the shale cavings. KCl salt solution now about 5% strength from 6500' to 8960' inside the drill pipe.

### Phase B. About October 30, 1968;

Jet perforate holes at approximately the following depths:

- (1) 8890-8925 = about 15 holes (7) 7870-7906 = about 11 holes
- (2) 8702-8720 = about 10 holes (8) 7802-7820 = about 10 holes
- (3) 8598-8626 = about 15 holes (9) 7656-7686 = about 16 holes
- (4) 8520-8552 = about 15 holes (10) 7528-7564 = about 12 holes (5) 8410-8452 = about 15 holes (11) 7238-7278 = about 12 holes
- (5) 8410-8452 = about 15 holes (11) 7238-7278 = about 12 holes (6) 8072-8094 = about 12 holes (12) 7028-7060 = about 12 holes

All of this perforating to be done under normal hydrostatic pressure with the drill pipe production string filled with a potassium chloride (KCl) salt solution.

Phase C. October 30, 1968 to about November 30, 1968;

Swab and gas lift water out of production string at a slow rate to gradually reduce reservoir pressure in each perforated sand and to dry out the semiconsolidated cavings around the drill pipe production string. It is important that these cavings around the drill pipe be dryed out as thoroughly as possible before proceeding with the additional perforations as described in Phase D.

#### Phase D. About November 30, 1968;

If the production rate is sufficient and the cavings around the drill pipe appear to have been dried out, then additional holes may be perforated both into the previously perforated sand bodies and into the other sand bodies not previously perforated. The perforating in this Phase D will be done with the drill pipe production string empty of all liquid and with the reservoir pressures near the well-bore drawn down by the prior production.

- Drilling Report Natural Buttes Unit #2 Well Uintah County, Utah
- 7/26/68 9:00 A.M., tubing = 0 psi, annulus = 730 psi. Close tubing valve to shut in well.

  1:00 P.M., tubing = 525 psi, annulus = 700 psi.
- 7/27/68 Tubing = 1,050 psi, annulus = 770 psi. Well shut in.
- 7/28/68 Tubing = 1,600 psi, annulus = 1,350 psi. Well shut in.
- 7/29/68 Tubing = 1,940 psi, annulus = 1,620 psi. Open annulus valve and unloaded mud and water. Annulus decreased to 0, psi, tubing decreased to 1,640 psi. Well shut in.
- 7/30/68 Tubing = 1,300 psi, annulus = 1,250 psi. Open annulus valve. Annulus decreased to 0 psi, tubing decreased to 1,200 psi. Inject 2 soap sticks down tubing.
- 7/31/68 Tubing = 550 psi, annulus = 0 psi. Inject 2 gallons of HOWCO suds and 2 soap sticks down tubing. Blow tubing to 0 psi to inject suds then pressure up to 400 psi from supply line. Shut in well.
- 8/1/68 Tubing 600 psi, annulus 800 psi. Open annulus valve. Annulus pressure decreased to 0 psi.
- 8/2/68 Tubing = 580 psi, annulus = 0 psi. Producing gas through annulus.
- 8/3/68 Tubing = 640 psi, annulus=0 psi. Producing gas through annulus.
- 8/5/68 Tubing = 875 psi, annulus = 0 psi. Producing gas through annulus.
- 8/6/68 Tubing = 775 psi, annulus = 0 psi. Producing gas through annulus.
- 8/7/68 Tubing = 600 psi, annulus = 0 psi. Producing gas through annulus.
- 8/8/68 Tubing = 750 psi, annulus = 0 psi. Producing gas through annulus.
- 8/9/68 Tubing = 850 psi, annulus = 0 psi. Producing gas through annulus.
- 8/10/68 Tubing = 1,070 psi, annulus = 0 psi. Gas flow decreased to almost zero.
  Well shut in.
- 8/11/68 Tubing = 1,250 psi, annulus = 550 psi. Well shut in.
- 8/12/68 Tubing = 1,450 psi, annulus = 975 psi. Well shut in.
- 8/13/68 Tubing = 1,600 psi, annulus = 1,275 psi. Well shut in.
- 8/14/68 Tubing = 1,650 psi, annulus = 1,325 psi. Well shut in.

- 8/15/68 Tubing = 1,700 psi, annulus = 1,400 psi. Well shut in.
- 8/16/68 Tubing = 1,850 psi, annulus = 1,625 psi. Well shut in.
- 8/17/68 Tubing = 1,990 psi, annulus = 1,945 psi. Well shut in.
- 8/18/68 Tubing = 2,050 psi, annulus = 2,050 psi. Well shut in.
- 8/19/68 Tubing = 2,100 psi, annulus = 2,125 psi. Well shut in.
- 8/20/68 Tubing = 2,260 psi, annulus = 940 psi. Open annulus valve. Unloaded mud and water with gas from annulus.
- 8/21/68 Tubing = 2,375 psi, annulus = 0 psi. Producing 41 MCF through annulus.
- 8/22/68 Tubing = 2,400 psi, annulus = 0 psi. Producing 36 MCF through annulus. As shown by tubing pressure, tubing is now completely isolated from annulus. It appears that the formation is caving in around the drill pipe above the perforations so as to eliminate any communication which previously existed between tubing and annulus.

Drilling Report - Natural Buttes Unit #2 Well - Uintah County, Utah

- 8/23/68 Tubing = 2300 psi, annulus = 0 psi. Well shut in.
- 8/24/68 Tubing = 2,350 psi, annulus = 500 psi. Well shut in.
- 8/25/68 Tubing = 2,395 psi, annulus = 1,075 psi. Well shut in.
- 8/26/68 Tubing = 2,445 psi, annulus = 1,400 psi. Open annulus to flow.
- 8/27/68 Tubing = 2,500 psi, annulus = 0 psi. Producing through annulus.
- 8/29/68 Tubing = 2,500 psi, annulus = 0 psi. Producing through annulus. Transferred annulus pressure gauge to tubing and read 2,350 psi. Apparently tubing gauge is out of calibration.
- 8/30/68 Open tubing valve slowly to blow down tubing over 3 hour period. After one hour start producing very foamy soap water cleaning up after about 5 minutes to cleaner water with less foam. After about 10 minutes of heavy water flow, production changed to less water, more gas and finally to a mist. Continuous misty, strong blow with occassional slugs of water throughout remaining portion of 3 hour blow down period. Left tubing valve open over night.
- 8/31/68 During the night the well-head unloaded some heavy drilling mud and the flow rate had decreased. Flow rate was measured at rates varying from 80 to 110 mcf per day. Rig up completion rig with sand pump on sand line. Measure sand line depth to obstruction in drill pipe at 8807'. Recovered clean, fine sand and silt from sand pump. Sand pump removed approximately 5' of sand from the interval of 8807' to about 8812'. Shut in tubing valve to allow tubing pressure to build up over night.
- Open tubing valve to blow down tubing pressure. Unload slugs of water 9/1/68 followed by gas with heavy water spray. Run sand pump on sand line to find obstruction at about 8100' which is 700' higher than the obstruction was found yesterday. After stroking sand pump 3 times at 8100', sand pump breaks through obstruction and is run down to a depth of about 84501. After stroking sand pump at this depth the sand pump appears to be temporarily caught but slowly pulls free from obstruction. Remove sand pump from well and dump sand out of sand pump. Run in with sand pump on sand line to a depth of about 8960' and find no obstruction at any of the depths at which obstructions were formerly located. This new depth is 136' below the original depth of obstruction and is approximately at the depth at which we attempted to shoot off the drill pipe during drilling operations. Clean out approximately 5' of sand and gravel in the interval of about 8960' to 8965'. The material recovered from the sand pump now consists of some sand with a large amount of large rock fragments ranging from  $\frac{1}{4}$  to  $\frac{1}{2}$ diameter. Also recover some metal fragments which are identified as fragments from the large junk shot used in attempt to shoot off the pipe at this depth. Swab well to lower fluid level from about 5000' to 6200'. Shut tubing valve to allow tubing pressure to increase over night. Open annulus

9/1/68 (continued)

valve to allow annulus to blow over night.

9/2/68

Close annulus valve and open tubing valve to blow down tubing pressure from 875 psi to 0 psi. Tubing produces gas with some condensate and heavy spray of dirty water for about 30 minutes. The spray of condensate and spray of dirty water decrease until the well is blowing dry gas. Pull swab from about 6300' depth and recover no water. Run sinker bars and jars to total depth of about 8965' to find obstruction at same depth as it was located yesterday. Strike obstruction hard blow 3 times, produced no change. Pull out wire line with sinker bars and jars. Rig down and move completion rig off location. It appears impractical to attempt to remove the balance of this obstruction by using the sand pump because progress is too slow (about 5' per day). This obstruction may more readily be removed by reverse circulating it out using a string of  $1\frac{1}{4}$ " diameter tubing. Leave tubing valve open to continue to produce gas from tubing.

January 27, 1969

Gilman A. Hill 6200 Plateau Drive Englewood, Colorado 80110

> Re: Well No. Natural Buttes Unit #2, Sec. 24, T. 9 S., R. 20 E., Uintah County, Utah.

Dear Mr. Hill:

This letter is to advise you that the Gamma-Ray Neutron Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

This office would greatly appreciate your filing with whitherabove mentioned log.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SCHEREE DEROSE SECRETARY

sd

GILMAN A. HILL 6200 Plateau Drive Englewood, Colorado 80110 Phone: 771-1101

January 28, 1969

Department of Natural Resources Division of Oil & Gas Conservation 1588 West North Temple Salt Lake City, Utah 84116

> Re: Well No. 2, Natural Buttes Unit Sec. 24, T. 9 S., R. 20 E., Uintah County, Utah

#### Gentlemen:

In reply to your letter of January 27th, we are enclosing herewith a copy of the Gamma-Ray Neutron Log for the Natural Buttes Unit #2 well in Uintah County, Utah.

Very truly yours,

GILMAN A. HILL

By Christia

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Encl.

	Form appro Budget Bure Salt I	au No.	42-R356.5. <b>City</b> .	Utah
_and Office .		r		
AND OFFICE	Uta	h US	79	
EASE NUMBE	ural B	utte	8	-
JNIT				-

### LESSEE'S MONTHLY REPORT OF OPERATIONS

State		Utal	1	Co	unty U	intah	Fie	eld Bitt	er Creel	k
wells) fo	or the	e mon	th of	, F	ebruary		, <sub>19</sub> 69,			drilling and producing
Agent's	addr	ess	6200	Plate	eau Drive		Co	mpany C	Jilman A	. Hill, Unit Opera
		Eng	lewo	oa, C	olorado 8	0110	Sig	ned Lil	man	a bill
Phone .		30	3-77	1-110	1		Age	ent's title .		
SEC. AND 1/4 OF 1/4	Twp.	RANGE	WELL No.	xXXXX Lestin	BARRELS OF OIL	GRAVITY	Cv. Ft. of GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
					<del></del>		Flare Tes	ts		
ENE			Unit	1 1	_	-			Minor	
. 24	95	20 E	#2	28	0		1400	0	slugs	Continue well tes Max. = 70 mcf/da Min. = 40 mcf/da Avg. = 50 mcf/da (Measured by Halliburton 3/1/
								4		

runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—There were \_\_\_\_\_\_ none \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ none \_\_\_\_\_ M cu. ft. of gas sold;

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

LAND OFFICE	Form approved. Budget Bureau No. 42-R356.5. Salt Lake City, Utah
	1140 6 (16.71)
LEASE NUMBE	d)
UNIT	Natural Buttes

### LESSEE'S MONTHLY REPORT OF OPERATIONS

State	Ut	ah		<i>C</i> d	ounty <u>Ui</u>	ntah	Fie	ld Bitte	r Creek	
wells) f	or th	e mon	th of	M	arch		, <i>19</i> <b>69</b> ,			rilling and producing . Hill, Unit Operator
										22.6.6.000
Sec. and 1/4 of 1/4	Ī	RANGE	WELL No.	DATS PRODUCED	BARRELS OF OIL		Cv. Fr. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
E NE . 24	95	20 E	Unit #2	<15	0		< 500	0	Minor slugs	Well loaded up to almost kill all gas flow. Well was then shut in.

Note.—There were \_\_\_\_\_None \_\_\_\_ runs or sales of oil; \_\_\_\_\_None \_\_\_\_ M cu. ft. of gas sold;

None runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in the with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form approved.
Budget Bureau No. 42-R356.5.

Salt Lake City, Utah
LEASE NUMBER Utah 0579
UNIT Natural Buttes

### LESSEE'S MONTHLY REPORT OF OPERATIONS

State	Uta	h		Ca	unty Uint	ah	F	ield Bitt	er Creek	<u> </u>
Th	a foll	വന്നർ	io a	COFFEC	t report of	operati	ons and m	oduction (i	ncludins d	Hill, Lease Operat
Phone _			303-	771-1	101		Si A <sub>i</sub>	gnea4344 gent's title .	water	
SEC. AND	Twr.	RANGE	West	DAYS PRODUCED	Barrels of Oil		Cu. Fr. of Gas (In thousands)	GALLONS OF	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE NE c. 24	9 S	20 E	Unit	0	0		0	0	0	
			16:∫*					_		
	TE.—T		ere	non	le uns or sales of					M cu. ft. of gas sold;

Form 9-329 (January 1950)

duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in

Form approved. Budget Bureau No. 42–R356.5.
LAND OFFICE Salt Lake City, Utah
LEASE NUMBER Utah 0579
UNIT Natural Buttes

#### **ESSEE'S MONTHLY REPORT OF OPERATIONS**

							Signed Little Agent's title				
SEC. AND	Twp.	RANGE	WELL No.	DAYS PRODUCED	Barrels of Oil	GRAVITY	Cu. Ft. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)	
NE NE c. 24	9 S	20 E	Unit #2	3	0	0	. < 300	, 0	o	Testing	
				And a second sec							
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NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-23! (May 1963)	U' ED STATE	- (Other instruction, on	TE* Form approved. Budget Bureau No. 42-R1424.
	DEPARTMENT OF THE I		5. LEASE DESIGNATION AND SERIAL NO.  Utah 0579
			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	DRY NOTICES AND REPORT FOR PROPERTY OF THE PRO		
1. OIL GAS	( <b>Y</b> )	,	7. UNIT AGREEMENT NAME
WELL WELL  2. NAME OF OPERATOR	OTHER		Natural Buttes Unit 8. FARM OR LEASE NAME
Gilman A	. Hill		
3. ADDRESS OF OPERATOR			9. WELL NO.
	eau Drive, Englewood,		Natural Buttes Unit #2  10. FIELD AND POOL, OR WILDCAT
4. LOCATION OF WELL (R See also space 17 belo At surface	deport location clearly and in accordance ow.)	with any State requirements.	Ouray
	ine & 660' from E. line	of Section 24	11. SEC., T., B., M., OR BLK. AND SURVEY OR AREA
(C NE NE Sec.	24), T 9 S, R 20 E, SI	LM	
14 22242	15 BI BUARIONS (Shore	whether DF, RT, GR, etc.)	Sec. 24-93-20E  12. COUNTY OR PARISH 13. STATE
14. PERMIT NO.	4758 GR.	whether Dr. RI, GR. etc.)	Uintah Utah
16.		to Ala (Ala: Dan	
	•••	dicate Nature of Notice, Report, o	
7	NOTICE OF INTENTION TO:	SUE	SEQUENT REPORT OF:
TEST WATER SHUT-OI	<del></del>	WATER SHUT-OFF	REPAIRING WELL ALTERING CASING
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT SHOOTING OR ACIDIZING	ABANDONMENT*
SHOOT OR ACIDIZE	ABANDON*	(Other)	ABANDONBENT
REPAIR WELL	change plans	(Note: Report re	sults of multiple completion on Well completion Report and Log form.)
proposed work. If nent to this work.) Set retrievable	well is directionally drilled, give substitute bridge plug at 3750'.	Perforate 3 holes and s	ates, including estimated date of starting any ertical depths for all markers and zones perti-
			es and squeeze 200 sacks
		per foot. Test perforate	shot per foot. Perforate
Interval 3312	to 3000 with one shot	per toot. Test periorati	ed bongs.
18. I hereby certify that	the foregoing is true and correct	^*	
SIGNED	TI	or TLE Office Manager	DATE June 3, 1969
(, 0, 1, 1)	eral or State office use)		

TITLE

DATE \_\_

APPROVED BY \_\_\_\_\_\_CONDITIONS OF APPROVAL, IF ANY:

	EDADTMENT OF TH		Budget Bureau No. 42-R
		IE INTERIOR (Other instructions o	5. LEASE DESIGNATION AND SERIAL Utah 0579
	GEOLOGICAL S		6. IF INDIAN, ALLOTTEE OR TRIBE 1
SUNDR (Do not use this form Us	Y NOTICES AND R  n for proposals to drill or to de  "APPLICATION FOR PERMI"	REPORTS ON WELLS  depen or plug back to a different reservoir.  T—" for such proposals.)	
1. OIL GAS WELL WELL	OTHER		7. UNIT AGREEMENT NAME Natural Buttes Unit
2. NAME OF OPERATOR  Gilman A. Hil			8. FARM OR LEASE NAME
3. ADDRESS OF OPERATOR			9. WELL NO.
	Drive, Englewood,		Natural Buttes Unit
4. LOCATION OF WELL (Repor See also space 17 below.) At surface	ct location clearly and in accord	dance with any State requirements.*	10. FIELD AND POOL, OR WILDCAT
	& 660' from E. li	ine of Section 24	11. SEC., T., B., M., OR BLK. AND SURVEY OR AREA
(C NE NE Sec. 24	), T 9 S, R 20 E,	SLM	Sec. 24-95-20E
14. PERMIT NO.	1	Show whether DF, RT, GR, etc.) 4758 GR.	12. COUNTY OF PARISH 13. STATE Uintah Utal
16.	Check Appropriate Box T	To Indicate Nature of Notice, Report,	or Other Data
NOTI	CE OF INTENTION TO:	s	UBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASI	<del></del>	REPAIRING WELL
FRACTURE TREAT SHOOT OR ACIDIZE	MULTIPLE COMPLETE ABANDON*		G ABANDONMENT*
REPAIR WELL	CHANGE PLANS	(Other)	rate and Test
(Other)		Completion or R	results of multiple completion on Well ecompletion Report and Log form.)
nent to this work.) *	il is directionally drilled, give	tate all pertinent details, and give pertinent subsurface locations and measured and true	vertical depths for all markets and some
Cas masminumble be	.Z.d 20001	and course with 50 fact of	Franklannet Daufaunte ?
der Letlie <b>Agdie</b> Di	rage brag at 2000.	and coast and to teer or	frac" sand. Perforate
holes at 37681. S	set E-Z drill retain	ner at 3752'. Squeeze 30	sacks cement below
holes at 3 <mark>768¹. S</mark> etainer at 3752¹ <b>a</b>	Set E-Z drill retained through perform	ner at 3752'. Squeeze 300 ations at 3768'. Reverse	) sacks cement below out surplus and clean ho
holes at 3768'. Setainer at 3752' at to top of retainer	Set E-Z drill retain and through perform at 3752'. WOC 24	ner at 3752'. Squeeze 300 ations at 3768'. Reverse 4 hours. Run combination	) sacks cement below out surplus and clean ho cement bond and Sonic
holes at 3768'. Setainer at 3752' a to top of retainer Seismogram log f	Set E-Z drill retained through performat 37521. WOC 24 from 37481 to 2400	ner at 3752'. Squeeze 300 ations at 3768'. Reverse 4 hours. Run combination o'. Perforate at 3247',	out surplus and clean ho cement bond and Sonic 3249', 3251', 3255', 32
holes at 3768'. Setainer at 3752' a to top of retainer Seismogram log f 3259' and swab te	Set E-Z drill retain and through perform at 3752'. WOC 2- from 3748' to 2400 est this zone for 2	ner at 3752'. Squeeze 300 ations at 3768'. Reverse 4 hours. Run combination of the Perforate at 3247', hours. Perforate 3567',	out surplus and clean ho cement bond and Sonic 3249', 3251', 3255', 33569', 3571', 3573', 35
holes at 3768'. Setainer at 3752' a to top of retainer Seismogram log f 3259' and swab te 3579', 3581', 358	Set E-Z drill retain and through perform at 3752'. WOC 26 from 3748' to 2400 est this zone for 2 87', 3589' and swi	ner at 3752'. Squeeze 300 ations at 3768'. Reverse 4 hours. Run combination 1'. Perforate at 3247', hours. Perforate 3567', ab this zone. Production mounts of gas.	out surplus and clean ho cement bond and Sonic 3249', 3251', 3255', 33569', 3571', 3573', 35
holes at 3768'. Setainer at 3752' a to top of retainer Seismogram log f 3259' and swab te 3579', 3581', 358	Set E-Z drill retain and through perform at 3752'. WOC 2- from 3748' to 2400 est this zone for 2	ner at 3752'. Squeeze 300 ations at 3768'. Reverse 4 hours. Run combination b'. Perforate at 3247', hours. Perforate 3567', ab this zone. Production	out surplus and clean ho cement bond and Sonic 3249', 3251', 3255', 33569', 3571', 3573', 35
noles at 3768'. Setainer at 3752' at top of retainer Seismogram log f 3259' and swab te 3579', 3581', 358	Set E-Z drill retain and through perform at 3752'. WOC 26 from 3748' to 2400 est this zone for 2 87', 3589' and swi	ner at 3752'. Squeeze 300 ations at 3768'. Reverse 4 hours. Run combination 1'. Perforate at 3247', hours. Perforate 3567', ab this zone. Production mounts of gas.	out surplus and clean ho cement bond and Sonic 3249', 3251', 3255', 33569', 3571', 3573', 35
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Form approved. Budget Bureau No. 42-R356.5. AND OFFICE Salt Lake City, Utah	
AND OFFICE SALL DAKE OILY, OLDER	•
FASE NUMBER Utah 0579	
Natura l Buttes	

#### LESSEE'S MONTHLY REPORT OF OPERATIONS

follor the	owing	is a									
	mon mon	th of		t report of June	operati	ons and pro	duction (i	ncluding d	reek rilling and producing		
addr	200 l	6200	Plate	an Drive		Cor	mpanu Gi	lman A.	Hill Lease Operate		
ingle	oowe	d. C	olora	do 80110	Sig	Signed Lilman a bell					
303-	771 -	110	<u> </u>				- Agent's title				
		WELL No.	DATS PRODUCED			Cu. Ft. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, eause; date and result of test for gasoline content of gas)		
9 S	20 E		1	0	_	0	0	1,000	Testing Green Rivers at 3247-3259 and 35671-35891.		
							_				
	303- TWP.	303-771- TWP. RANGE  9 S 20 E	TWP. RANGE WELL NO.  9 S 20 E #2	TWP. RANGE WELL DATS PRODUCED  Unit: 0	TWP. RANGE   WELL   DAYS   BARRELS OF OIL    9 S   20 E   #2   0   0	TWP. RANGE WELL DATE NO. PRODUCED BARRELS OF OIL GRAVITY  9 S 20 E #2 0 0 -	Twp.   Range   Well   Days   Barrels of Oil   Gravity   Cu. Fr. of Gas (In thousands)	TWP. RANGE WELL DATE PRODUCED BARREIS OF OIL GRAVITY CU. FT. OF GAS (In thousands)  Unit 9 S 20 E #2 0 0 - 0 0	TWP. RANGE WELL DATS PRODUCED BARRELS OF OIL GRAVITY CU. FT. OF GAS (In thousands)  GALLONS OF GASOLINE RECOVERED WATER (If none, so state)		

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

	Form a Budget	pproved. Bureau N	o. 42-R35	6.5.
LAND OFFICE				
LEASE NUMBI	R Uti	ah 057	79	
LEASE NUMBI UNIT Natu	ral	Buttes	3	

#### LESSEE'S MONTHLY REPORT OF OPERATIONS

wells) f	or the	e mon	th of 620	00 Pla	July teau Drive	• •	., 19 69 , Cor	npany Gil	man A.	Hill, Lease Operate		
Englewood, Colorado 80110  Phone 303-771-1101							Signed Johnson a. Still					
SEC. AND 1/4 OF 1/4	SEC. AND CHES DAYS WELL DAYS RAPPISON ON GR						Cu. Ft. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline		
E NE . 24	9 S	20 E	Unit #2	O	0	-	0	0		Testing Green Riv zones at 3247-3250 and 3567-3589°		
		*										
							:					
								_				

none runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form approved. Budget Bureau No. 42-R356.5. Salt Lake City, Utal	٦ 2
Utah 0579	
LEASE NUMBER Natural Buttes	
VIII	

#### LESSEE'S MONTHLY REPORT OF OPERATIONS

ا.	State _	Utal	a		Co	ountyUi	ntah	F	ield Bitt	er Creel	<u> </u>			
_	Th	e foll	owing	is a	correc , Au	et report of	operati	ions and p	roduction (i	ncluding d	drilling and producing			
-	Eng	ewo	od, (	Colo	rado	80110			Company Gilman A. Hill, Lease Operate Signed Suman A. Hill					
i	Phone .	30	3-11	1-11	01				gent's title.	T				
	SEC. AND 1/4 OF 1/4	Twr.	RANGE	WELL No.	DAYS PRODUCED	Barrels of Oil	GRAVITY	Cu. Fr. of Gai (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)			
	E NE . 24	95	20 E	Unit #2	0	0		0	0	1,000	Testing Green Riversiones at 3247-3259 and 3567-35891			
					And the state of t									
											EN C			
											FILE			
	No	re.—T	here w	ere		none	runs o	r sales of oil;	none		M cu. ft. of gas sold;			

none runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

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Form approved.	_ //2
Form approved. Budget Bureau No. 42-R356 Salt Lake Cit	.5.
Sait Lake Cit	· y · ,
LAND OFFICE UTAL US79	Utah
LEASE NUMBER Natural Buttes	
Natural Buttes	

### LESSEE'S MONTHLY REPORT OF OPERATIONS

wells) for the month of								ent's title	ynsası	( - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
EC. AND		RANGE	WELL No.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	Cu. Ft. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Nh . 24	9 S		nit #2	0	<sub>(</sub> )		O	O	1,000	resting Green R zones at 3247' 3259' and 3567' 3589'
				Total Control of the						

duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

ABER Weath 0579 Urah UNIT Natural Buttes

#### LESSEE'S MONTHLY REPORT OF OPERATIONS

Phone  SEC. AND WORLD DAYS PRODUCED BARRELS OF OIL GRAVITY CU. Ft. of GAS (In thousands)  WITH ALL 9 520E 72 0 0 - 0 0 1,000 Testing Green zones at 324		addr	e88	6200 Eng1	Pla:	teau Driv 1, Colora	/e idoi		npany ned A	ilman A	. Hill, Lease
SEC. AND YOF WELL NO. PRODUCED BARRELS OF OIL GRAVITY CU. FT. OF GAS (In thousands) GASOLINE RECOVERED WATER (If none, so state) at and result of test for gas content of gas)  Sec. 24  Sec. 24  Sec. 24  Sec. 24  Sec. 25											
NE NE 9 520E #2 0 0 - 0 1,000 Testing Gree zones at 324 3259 and 35	SEC. AND	TWP.	RANGE	WELL No.		BARRELS OF OIL	GRAVITY	Cv. Fr. of Gas (In thousands)	GASOLINE	WATER (If	(If drilling, depth; if shut down, cause; date and result of test for gasoline
		9 52		1	υ	0	-	ð	0		I.

Note.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form approved. Sait Awake. @ ity. 5.
LAND OFFICE Utah 0579
LEASE NNatural Buttes
UNIT

### LESSEE'S MONTHLY REPORT OF OPERATIONS

Agent's	addr	ess	-Eng	;lewo( /771-	xd, Colors	<del>do 80</del>	110 Cor Sign	npany ned	Léase (	Hill, Lease Operate  Operator
SEC. AND 14 OF 14	Twp.	RANGE 20 E	WELL No.	DAYS PRODUCED	BARRELS OF OIL		CU. Fr. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)

runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form approved. Budget Bureau No. 42-R356.5. Salt Lake City.	
LAND OFFICE Utal 0579 Ota	۲
LEASE NUMBER UNIT BUTTON	•
UNIT	

#### LESSEE'S MONTHLY REPORT OF OPERATIONS

Agent's	addr	ess	Dual Sign	Pla Cwoo	tesu briv 3, Colora	re ido	Cor	npany	men .	Hill Large Open
Phone .			303	771	1101		Age	ent's title -	1312 61 310	Operator REMARKS
SEC. AND	TWP.	RANGE	WELL No.	DATS PRODUCED	BARRELS OF OIL	GRAVITY	Cu. Fr. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	(If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
annin megaper Sire devid	) B	203	Uni:	0	0		ମ	-6.	1.000	Tosting Green River zones at 3247: 3259/ a 3567' 3589'
			A TANK THE RESIDENCE OF THE PROPERTY OF THE PR							
									,	

runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



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AND OFFICE	Salt	Lake	City	ر ر
LEASE NUMBER	Utah	0579	<u>U</u> t	ah
UNIT Nat	ural l	Buttes		

### LESSEE'S MONTHLY REPORT OF OPERATIONS

State	U	tah		Co	ounty	intab		Field	itter Ci	reek
The wells) fo Agent's	follor the	owing e mon ess	is a th of 52	correct 00 Pl	t report of May Lateau Dr	ive	ons and, 19 <sup>70</sup> ,	Company Signed	Iman A.	Hill, Lease Oper Operator
Phone .			31)	3-77	1-1101			Agent's title	Lease	operator
SEC. AND	TWP.	RANGE	WELL No.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	Cv. Fr. or (In thousar	GAS GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE NE	9	20E	nit #2	0			U	-0-	1,300	Testing Green River Zones at 3247' - 3259' at 3567' - 3589'

runs or sales of gasoline during the month. (Write "no" where applicable.)

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Form approved.
Budget Bureau No. 42-R356.5.

LAND OFFICE Salt Lake Cty,

LEASE NUMBER Man 0579 Utan

UNIT Natural Buttes

#### LESSEE'S MONTHLY REPORT OF OPERATIONS

Agent's	addr	e <b>ss</b>	620 ling	<u>O Pla</u> lovoc	teau Dri G. Cole.	<u>ve</u> 801	, 19 Coi	mpany (1) ned	Iman .	nill, Lease Ope A. Hold Operator
SEC. AND		RANGE	WELL No.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	Cu. Fr. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
in a Value	98	201	#2	0	0	-	0	-0-	1,000	Testing Green River zones at 3247' - 3259' a 3567' - 3589'
										LIII

runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

LEASE NUMBER U-0579  LEASE NUMBER Buttes UNIT Natural Buttes	LAND OFFICE	Form approved. Budget Bureau No. Salt Lake	42-R356.5. City, Utah
Natural Buttes		11-05/9	
	Natu	ral Buttes	

#### LESSEE'S MONTHLY REPORT OF OPERATIONS

State	Ut	ah		Co	ountyU	intah	F	ield Bitt	er Creek	
Siale <b>Th</b> .	e foll	owing	is a	correc	t report of	operati	ons and pi	roduction (i	ncluding d	lrilling and producing
77. \ 6	41		12 4		July		1070			
Asent's	addı	ess 6	200 1	Platea	u Drive		Ce	ompany Gi	lman A.	Hill, Lease Operator
		E	ngle	wood,	Colorado	80110	)	gned	Island	Hill, Lease Operator
Phone .		31	3/ 7	71-11	101			gent's title	Lease O	perator
Sec. and 1/4 of 1/4	TWP.	RANGE	WELL No.	DAYS PRODUCED	Barrels of Oil	GRAVITY	Cu. Ft. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
C NE NE	98	20 E	Unit #2	0	0		0	0	1,000	Testing Green Rive Zones at 3247'-3259' and 3567'-3589'
										510W
						-				

runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Note.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ Mone \_\_\_\_ M cu. ft. of gas sold;

Form approved. Budget Bureau No. 42-R356.5.

### UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

LAND	OFFICE Salt	Lake	City,	Utah
LEASE	NUMBER	-0579		-
UNIT.	Natural	Butte	S	-

### LESSEE'S MONTHLY REPORT OF OPERATIONS

melle) fo	or the	mon	th of	Ang	nst		, 19.70,			rilling and producing Hill Lesse Opera
Agent's	addr	ess	62U	resident	d Colors	40 SC		ned.	Ill ver	Hill, Lease Opera
Phone			gna. Eng	/771.	1101		Age	ent's title	Lease O	perator
SEC. AND	<del></del>	RANGE	WELL No.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	Cv. Fr. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE NE	98	20 E	Unit	0	0		0	0	1,000	Testing Green River
										Zones at 3247'-3259' and 3567'-3589'
				The state of the s						
									-	
										P 10 10
										fill,

Note.—There were \_\_\_\_\_\_ runs or sales of oil; \_\_\_\_\_\_ Me cu. ft. of gas sold; \_\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Extra Copy	bI
Form approved.	, y

Budget Bureau No. 42-R35	b.b. ·
AND OFFICE Salt Lake City,	Utah
EASE NUMBER U-0579	
NIT Natural Buttes	

#### LESSEE'S MONTHLY REPORT OF OPERATIONS

•	Agent's	addr	ess 6	200	Plate	au Drive , Colorad		(	Company	Gilman A	Hill, Lease Operat
	Phone		3	03/7	71-1	101			Agent's titl	e Jan	depl
	SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	DAYS PRODUCED	Barrels of Oil	GRAVITY	Cu. Ft. of G (In thousand	AS GALLONS ( GASOLINI RECOVERE	E WATER (If	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
	NE NE	9S	<b>2</b> 0E	Unit #2	0	0		0	0	1,000	Testing Green River Zones at
											3247' - 3259' and 3567' - 3589'
										U. S. (	RECCIVED  DIE & CAS OPERATIONS  NOV 2 1970  EULOG N. L. SURVEY  LAKE CHY, UTAH

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### UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.
LAND OFFICE Salt Lake City, Utal
LEASE NUMBER U-0579
UNIT Natural Buttes

#### LESSEE'S MONTHLY REPORT OF OPERATIONS

State										ek Irilling and producing
	-	_			<del>-</del>	-	· · · · · · · · · · · · · · · · · · ·	· ·	-	
Agent's	addı	ess <u>6</u>	200	Plate	au Drive		Cor	npany <b>Gi</b> ]	man A.	Hill, Lease Operato
		Е	Ingle	boows	, Colorad	2801	10 Sig	ned L	lun a	44
Phone -		3	03/7	771-11	101			ent's title	Lease O	perator
SEC. AND	Twr.	RANGE	WELL No.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	Cv. Fr. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE NE Sec. 24	Į.	20E	Uni: #2	t 0	0		0	0	200	Testing Green River
										Zones at 3247'-3259' and 3567'-3589'
					•					

NO runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form approved. Budget Bureau No. 42-R356.5.

### UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

AND OFFISALT Lake City, Utal	1
ININatural Buttes	

#### LESSEE'S MONTHLY REPORT OF OPERATIONS

		30	3/77	1-110	)1	1	Age	Signed Line Agent's title ease Operator  GAUGNS OF BARRESS OF REMARKS				
SEC. AN 1/2 OF 1/2	Twp.	RANGE	WELL No.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	Cu. Fr. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	(If drilling, depth; if shut down, caudate and result of test for gasoline content of gas)		
IE NE ec. 24	9 S 2	!	nit #2	0	0		0	0	0	Shut-in		
										Zones at 3247'-3259' & 3567'-3589'		
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NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form approved.

#### UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

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LAND OFFICE Salt	Lake	City.	Utah
LEASE NUMBER	J-0578	)	
UNIT Natural	Butte	8	

#### LESSEE'S MONTHLY REPORT OF OPERATIONS

Th wells) f	e foll or the	owing e mon	is a tho	correct Janu	t report of	operati	ons and pr	roduction (i	ncluding d	drilling and producing			
Agent's	addī	ess 62	200.	Plates	u Drive Colorado	8011	<i>Co</i>	Company Gilman A. Hill, Lease Operator					
Phone .	Englewood, Colorado 80110 Signed Información de Colorado 80110 Agent's title Lease Operator								erator				
SEC. AND	TWP.	RANGE	WELL No.	DAYS PRODUCED	Barrels of Oil	GRAVITY	Cu. Fr. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS  (If drilling, depth; if shut down, cause date and result of test for gasoline content of gas)			
E NE	9 S	20E	Unit #2	0	0		0	0	0	Shut-in			
										Zones at 3247'-3259' & 3567'-3589'			

runs or sales of gasoline during the month. (Write "no" where applicable.)

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Form approved. Budget Bureau No. 42-R356.	5.
Salt Lake City.	Utah
TAGE NUMBER U-0579	
Natural Buttes	

### LESSEE'S MONTHLY REPORT OF OPERATIONS

	for th	a maon	th of	Fehr	Harv		. 19 <b>71</b>			rilling and producing			
Agen	's addi	B	200	Plates	au Drive		Co1	$npany$ $\mathbf{Gil}$	man A. I	iiii, Lease Operau			
Phon	 e	E	.ng.e	771-1	101		Age	Signed Lihuran a. Half.  Agent's title Lease Operator					
SEC. AN		RANGE	WELL No.	DAYS PRODUCED	Barrels of Oil	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)					
NE NI		1	Unit #2	0	0	-A	0	0	0	Shut-in			
										Zones at 3247'-3259' & 3567'-3589'			
					,								

NOTE.—There were \_\_\_\_\_\_\_ runs or sales of oil; \_\_\_\_\_\_\_ M cu. ft. of gas sold; \_\_\_\_\_\_\_ NO \_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

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Form approved.
Budget Bureau No. 42-R356.5.

LAND OFFICE Salt Lake City, Utah

LEASE NUMBER U-0579

UNIT Natural Buttes

### UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

#### LESSEE'S MONTHLY REPORT OF OPERATIONS

Agent's	addr	essi	3 <b>2</b> 00 Engl	Plate	au Drive	Co	mpany G	lman A.	Hill, Lease Operat		
							Agent's title Lease Operator				
SEC. AND 1/4 OF 1/4	Twp.	RANGE	WELL No.	DAYS PRODUCED	Barrels of Oil	GRAVITY	Cu. Ft. or Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)	
NE NE Sec. 24	98	20E	Unit	0	0		0	0	0	Shut-in	
					·					Zones at 3247'-3259' & 3567'-3589'	
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	l .	1	f	1	1					!	

NOTE.—There were \_\_\_\_\_\_ runs or sales of oil; \_\_\_\_\_\_ Mone \_\_\_\_ M cu. ft. of gas sold; \_\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

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Form approved. Budget Bureau No. 42-R356.5.

LAND (	OFFICE	Salt.	Lak	e Ci	ty,	Utah
LEASE	NUMBE	R U-	057	9		-
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#### UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

### LESSEE'S MONTHLY REPORT OF OPERATIONS

Thoma		<u>k</u>	ingle	9 <b>W000</b>	, Colorad	.10 Sig Age	Signed Lease Operator			
SEC. AND 14 OF 14		RANGE	WELL No.	DATS PRODUCED	BARRELS OF OIL	GRAVITY	Cu. Fr. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
E NE	9 S	20E	Uni #2	t O	0		0	0	0	Shut-in
c. 24										Zones at 3247'-3259' & 3567'-3589'
	1		1	i		İ			ĺ	

Note.—There were \_\_\_\_\_\_ runs or sales of oil; \_\_\_\_\_\_ Mone of the filed in \_\_\_\_\_\_ Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in \_\_\_\_\_\_ and \_\_\_\_\_ regardless of the status of operations.

duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

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## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

В	udget Bureau No.	42-R356.5.
LAND OFFICE	udget Bureau No. Utah	DIV
LEASE NUMBER.	U-0579	
UNIT		

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#### LESSEE'S MONTHLY REPORT OF OPERATIONS

				Eng	lewoo	d, Colorado	8011	Cor Q Sig	ned L	Muse	Ü. HIII
	Phone -							Age	ent's title .	-WellWor	king Int Owner
	SEC. AND	Twp.	RANGE	WELL No.	Days Produced	Barrels of Oil	GRAVITY	Cu. Fr. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, caused date and result of test for gasoline content of gas)
1/	1/4 4 24	9\$	20E	2	0	0	_	0	0	0	Temporarily shut
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runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in

duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329 (January 1950)

16-25706-9" U. S. COPERHRENT PRINTING OFFICE

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,	Form approved. Budget Bureau No	. 42-R356.5.
LAND OFFICE	Utah	· · · · · · · · · · · · · · · · · · ·
LEASE NUMBI	u-0579	
UNIT		

#### LESSEE'S MONTHLY REPORT OF OPERATIONS

				Engl	ewood	. Colorado	80110	Sid	ned L	lmar	Hill king Int. Owner
	SEC. AND 1/4 OF 1/4		RANGE	WELL No.	DAYS PRODUCED		GRAVITY	CU. Fr. or Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause date and result of test for gasoline content of gas)
C NE NE 1, Sec.	/4	98	20E	2	0	0		0	0	0	Temporarily shut
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						er.					
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runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

	Form approved Budget Bureau	l. No. 42-R356.5.
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LEASE NUMBE	u <del></del> 057.9	V
UNIT	***************************************	

#### LESSEE'S MONTHLY REPORT OF OPERATIONS

•	Agent's	addr	ess	620 Eng	0 Plat 1ewood	, Colorado	Cor Sig	Company Gilman A. Hill Signed Kman A. Hill			
	Phone .		· · · · · · · · · · · · · · · · · · ·				1		ent's title.	MCIL WO	rking Int. Owner
	SEC. AND MOFM	Twr.	RANGE	WELL No.	DATS Propusso	Babrels of Oil	GRAVITY	CU. Ft. OF GAS (In thousands)	GASOLINE RECOVERED	WATER (If none, so state)	(If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
1/	1/4 '4 24	98	20E	2	0	0	-	0	0	0	Temporarily shut
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Form 9-329 (January 1950)

duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Fo Bu	erm approved. Idget Bureau N	o. 42–R356.5.
LAND OFFICE	Utah	
LEASE NUMBER		
UNIT		

### LESSEE'S MONTHLY REPORT OF OPERATIONS

			Eng	i ewoo	a, Colorado	1108	$0 \sim s_{i,\sigma}$	ned /	2 hr	A. Hill - G. Hall rking Int. Owner
Sec. and 14 of 14	Twr.	RANGE	WELL No.	DATS PRODUCED	Barrels of Oil	GRAVITY	Cu. Ft. or Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, caus date and result of test for gasoline content of gas)
1/4 4 Sec.2	4 9S	20E	2	0	0	-	0	0	0	Temporarily shut
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		·								
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# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL AND GAS CONSERVATION MONTHLY OIL AND GAS CONSERVATION LEVY REPORT

FORM OGC-5

Oil and Gas Report for the month of: August	Report of: Gilman A. Hill [Name of Individual or Company]
Name of Lease or Unit: Natural Buttes Unit: Lease U-0579	Address:6200.Plateau.DriveEnglewoodColorado.801.10
Field or Peel: Bitter Creek	Phone No:(303).77]-]]0]
Natural Buttes Unit #2 Well NE 1/4, NE 1/4 of Sec. 24, T. 9S, R 20E SLM	

(1)	(2)	(3)	(4)		(5)		(6)	(7)	(8)	(9)
Product		Market Value per barrel	Gross Market	Royal	ties Due o	r Paid		Assessable	Levy 1 1/2 Mills on \$ Value	Amount Due DOGC
	MCF	or MCF	Value	U.S.Gov't	State	Indian	ing or Recycling operations (\$)	(Col. 4 less Col. 5 & 6)	Vacue	
GAS	None		•						X\$.0015	<b>\$</b> None
CRUDE OIL	None	Well tempor	arily shut in						X\$.0015	\$ None
Other Hydro	None								X\$,0015	<b>\$</b> None

TOTAL ANOUNT DUE THE DIVISION OF OIL AND GAS CONSERVATION

Gilman A. Hill, Well Working Interest Owner

(Title)
September 24, 1975

INSTRUCTIONS: Complete this form in triplicate and mail 2 copies to the Division of Oil and Gas Conservation, 15th West North Temple, Salt Lake City, Utah, 84116, together with your check, which should be made payable to the Division of Oil and Gas Conservation.

<sup>\*</sup>Other Hydrocarbons Produced at Well in Liquid Form

# RECEIVED NOV 10 1975 DIVISION OF OIL.

## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

LAND GEFICE	Form approved. Budget Bureau No. 42-R356.5. Utah	
	u-0579	
Unit		

FFSSFFS	MONTHLY	REPORT	<b>OF</b>	<b>OPERATIONS</b>
			<b>U</b>	O

Phone	(30	3) 77	71-11	01		Age	Signed Mana Hall Agent's title Well Working Int. Owner						
SEC. AND 1/4 OF 1/4	Twr.	RANGE	WELL No.	DAYS PRODUCED	Barrels of Oil	GRAVITY	Cu. Fr. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for assoline content of gas)			
NE 1/4 E 1/4 ec. 24	9\$	20E	2	0	0		0	0	0	Temporarily shut in			
			-				·						
:													
							• •						

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

runs or sales of oil; .....no-

Form 9-329 (January 1950)

Note.—There were \_\_\_\_\_\_no



	Form approved. Budget Bureau	No. 42-R358.5.
	Utah	
LEASE NUMBER	U-0579	
UNIT		

•	Th wells) f Agent's	e foll or the addi	lowing e mor ress 6	g is a nth of 200 ingle	correc Natea	ovember u Drive Colorado 8	operat 	ions and , 19 75 ,	pro Coi Sig	npany	ncluding d	A. Hill
	SEC. AND % OF %	1	RANGE	177	DATS PRODUCED	Barrels of Oil	GRAVITY	Cu. Fr. of C		GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; If shut down, cause; date and result of test for gasoline content of gas)
C NE NE 1/ Sec.	4	9\$	20E	2	0	0	-	0		0	0	Temporarily shut
										·	·	
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runs or sales of gasoline during the month. (Write "no" where applicable.) Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

----- runs or sales of oil;

Form 9-329 (January 1950)

Note.—There were .....

no

...... M cu. ft. of gas sold;

no

UNITED STATES PARTMENT OF THE INTERIOR GEOLOGICAL SURVEY	Form approved. Budget Bureau No. 42-R356,5.  LAND OFFICEUTAh  LEASE NUMBERU-Q579  UNIT
THLY REPORT OF OP	$\rho$

	wells) f	or the addi	e moi ress	<i>ith o</i> 6200 Eng1	correct fPlate ewood,	December Pau Drive Colorado	<i>operat</i>	ions and p ., 19.75 , 	oroduction ( Company	including Gilman	drilling and producing  A. Hill	
	Phone _ SEC. AND 1/4 OF 1/4		RANGE	/1-1	DATS PRODUCED	Barrels of Oil	GRAVITY	Cu. Fr. or Ga	lgent's title	BARRELS OF WATER (II	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline	
NE IE 1, iec.		95	20E	2	0	0	-	0	0	none, so state)	Temporarily shut	ir
					:							
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Note.—There were \_\_\_\_\_\_\_ M cu. ft. of gas sold;

no runs or sales of gasoline during the month. (Write "no" where applicable.)

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	Budget Bureau No. 42-R356.	5.
LAND OFFICE	Utah	
	u-0579	
UNIT		

LESSEE'S MONTHLY	REPORT	OF	<b>OPERATIONS</b>
8171616			

	Phone .	(30	3) <i>77</i>	_Eng	lewood 01	d, Colorad	o 8011	Sig	ned ent's title .	Well Wor	king Int. Owner
	Sec. and 1/4 of 1/4		RANGE	WELL No.	DAYS PRODUCED	Barrels of Oil	GRAVITY	CU. Ft. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
C NE NE 1, Sec.	/4	95	20E	2	0	0	-	0	0	0	Temporarily shut i
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no runs or sales of gasoline during the month. (Write "no" where applicable.) Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329 (January 1950)

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Ň	MAR 8 1976	
	GAS, & MINING	

	Form approved. Budget Bureau No. 42-R356.5.
LAND OFFICE	Utah
LEASE NUMBE	u-0579
UNIT	

LESSEE'S MONTHLY REPORT OF OPERATIONS

Phone							Signed Agent's title Well Working Int. Owner					
SEC. AND 1/4 OF 1/4	Twp.	Range	WELL No.	DAYS PRODUCED	Barrels of Oil	GRAVITY	Cu. Fr. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)		
1/4	I								-	:		
4 24	98	20E	2	0	0		0	0	0	Temporarily shut i		
										(Well loads up with water and unable to sustain gas product from Wasatch/Mesaverzones. Well temporally recompleted to		
										a Green River zone which is not product		
		1	1									

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329 (January 1950) runs or sales of oil; \_\_\_\_\_\_ M cu. ft. of gas sold;



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# LESSEE'S MONTHLY REPORT OF OPERATIONS

Th	Uta e follo	4	is a	correct Ma		,		C	i iman A.	rilling and producing
									ma	Hill  A. Hull  ing Int Owner
igent	3 (166)		Engl	ewood	, Colorado	00110	Ase	nt's title l	lell Work	ing Int_Owner
Phone	(3	03)7	77.1-1	101		T T	CU. Ft. OF GAS	GALLONS OF GASOLINE	BARRELS OF WATER (II	ing Int Owner  REMARKS (If drilling, depth; if shall down, cause; date and result of test for gasoline content of gas)
SEC. AND	TWP		WELL No.	DATS DATE	BARRELS OF OIL	GRAVITY	(In thousands)	RECOVERED	none, so state)	content of
74 03 74		-								
1/4								0	0	Temporarily shut in
/4 24	98	20E	2	0	0	-	0			(Well loads up with
									1	water and unable to sustain gas produc
										from Wasatch/Mesav
										in vecompleted to
		Ì								a Green River zone which is not produ
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$\mathcal{C}$	Form approved. Budget Bureau No. 42-R356.5.
AND OFFICE	Utah
EASE NUMBE	<sub>R</sub> U-0579
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#### LESSEE'S MONTHLY REPORT OF OPERATIONS

Agent's	<i>addr</i> (30	ess 3) 77	6200 Engl '1-11	Plate ewood 01	eau Drive , Colorado	80110	C01 Sig Age	Company Gilman A. Hill Signed La La La La La La La La La La La La La				
SEC. AND		RANGE	WELL No.	DAYS Расопсив	Barrels of Oil	GRAVITY	Cu. Fr. or Gas (In thousands)	Gateons of Gasoline Recovered	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)		
1/4 1/4 24	9\$	20E	2	0	0		0	0	0	Temporarily shut in. (Well loads up with water and unable to sustain gas production from Wasatch/Mesaverd zones. Well temporarily recompleted to test a Green River zone which is not productive).		
			,									

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

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Budget Bureau No. 42-R856.5.
AND OFFICE . Utah
EASE NUMBERU-0579
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LESSEE'S	MONTHLY	REPORT	OF	<b>OPERATIONS</b>
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	addr	ess	620 Eng	O Plat lewood	eau Drive , Colorado		Cor	npany	Gilman A.	Hill  A Hell  king Int. Owner
SEC. AND		RANGE	WELL No.	DAYS PRODUCED	Barrels of Oil	GRAVITY	Cu. Fr. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gassline content of gas)
1/4 /4 24	9S	20E	2	0	0	-	0	0		Temporarily shut in (Well loads up with water and unable to sustain gas product from Wasatch/Mesaverzones. Well temporarily recompleted to test a Green Riverzone which is not productive).

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

# RECEIVED NOV 5 1976 W DIVISION OF THE GAS, & MINING COLUMN

### UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Form approved. Budget Bureau No. 42-R356.5.
LAND OFFICE Utah
LEASE NUMBER U=0579
UNIT

	wells) fo	or the	e mon ess _6	<i>th of</i> 200 ngle	correct September Septembe	otember nu Drive Colorado 8	operati  30110	ons and, 19.76,	pro Con Sign	duction (in	ilman A	Hill  King Int. Owner
	SEC. AND		RANGE	WELL No.	DATS PRODUCED	BARRELS OF OIL	GRAVITY	Cu. Fr. of (	BAS	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
CENETA NE 1/4 Sec.	1	9\$	20E	2	0	0		0		0	0	Temporarily shut in (Well loads up with water and unable to sustain gas product from Wasatch/Mesaverzones. Well temporarily recompleted to test a Green Riverzone which is not productive).
									,			

Note.—There were \_\_\_\_\_\_no \_\_\_\_runs or sales of oil; \_\_\_\_\_ no \_\_\_\_\_ M cu. ft. of gas sold;

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in

duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

/	Form approved. Budget Bureau No. 42-R356.5.
LAND OFFICE	Utah
LEASE NUMBE	R U-0579

The following is a correct report of operations and wells) for the month of							, 19_1.b., Cor	Company Gilman A. Hill			
SEC. AND		RANGE	WELL No.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	Cu. Fr. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)	
/4 4 24	95	20E	2	0	0		0	0	0	Temporarily shut in. (Well loads up with water and unable to sustain gas producti from Wasatch/Mesaver zones. Well tempor- arily recompleted to test a Green River zone which is not productive).	

Note.—There were \_\_\_\_\_\_no \_\_\_\_ runs or sales of oil; \_\_\_\_\_ no runs or sales of gasoline during the month. (Write "no" where applicable.) Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

no

Form 9-329 (January 1950)

M cu. ft. of gas sold;

	Budget Bureau No. 42-R356.5.
5	OFFICEUtah

Dudget Durent 140. 46-16006.5.
OFFICE Utah
LEASE NUMBER U=0579
Unit

### ONTHLY REPORT OF OPERATIONS

NEI/4 1/4 2. 24 9S 20E 2 0 0 - 0 0 Temporarily shut (Well loads up wi water and unable sustain gas produ from Wasatch/Mesa zones. Well temp arily recompleted test a Green Rive	Agent's	addr	e83	620 Fno	00 Pla 11ew00	d_Colorad	8011	Cor	ned fil	nan A	Hill King Int. Owner
1/4 24 9S 20E 2 0 0 - 0 0 Temporarily shut (Well loads up wi water and unable sustain gas produ from Wasatch/Mesa zones. Well temp arily recompleted test a Green Rive zone which is not	SEC. AND 1/4 OF 1/4	Twr.	RANGE			Barrels of Oil	GRAVITY	Cu. Fr. or Gas (In thousands)	GASOLINE	WATER (II	(If drilling, depth; if shut down, cause; data and result of test for gasoline
	/4	9\$	20E	2	0	0	_	0	0	0	Temporarily shut in. (Well loads up with water and unable to sustain gas productifrom Wasatch/Mesaverzones. Well temporarily recompleted to test a Green Riverzone which is not productive).
						·					

no runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

# JAN 10 1977

## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Budget Bureau No. 42-R356.5.
LAND OFFICEUtah
LEASE NUMBER U=0579
UNIT
V · = 1

AS,	LESSEES	MONTHLY	REPORT	OF	<b>OPERA</b>	<b>ÉNOIT</b>
-1				-		

Agent's	addı	ess	6200 [20]	Plate	au Drive	00110	Cor	npany G	iilman A.	Hill
Phone .	(3									king Int. Owner
SEC. AND 1/4 OF 1/4	Twr.	RANGE	WELL No.	DAYS PRODUCED	Barrels of Oil	GRAVITY	Cu. Fr. or Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
/4 4 24	9S	20E	2	0	0	-	0	0	0	Temporarily shut in
										(Well loads up with water and unable to sustain gas product from Wasatch/Mesave zones. Well temporarily recompleted test a Green River zone which is not productive).
	,									
		-					·			

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Note.—There were \_\_\_\_\_\_NO\_\_\_\_\_\_ runs or sales of oil; \_\_\_\_\_\_\_ M cu. ft. of gas sold;

i	Form approved. Budget Bureau No.	42-R356.5.
LAND OFFICE	Utah	
LEASE NUMBER	RU_0579	
UNIT Nat	ural Buttes	



## LESSEE'S MONTHLY REPORT OF OPERATIONS

	Th	e foll	owing	is a	correc	et report of	operati	ions and pro	duction (i	ncluding d	Creekd producing
v	Agent's	addı	·ess	62	00 P1	ateau Drive	<u>.</u>	Сот	mpany	Gilman A.	Hill
	Phone .		120	En )3) 7	glewoo 71-110			Sig Age			King Int. Owner
	SEC. AND %	Twe.	RANGE	Well No.	DAYS PRODUCED	Babrels of Oil	GRAVITY	Cu. Fr. or Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (II none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
C NEI											
Sec.		9S :	20E	2	0	0	-	0	0	0	Temporarily shut in. (Well loads up with water and unable to sustain gas producti from Wasatch/Mesaver zones. Well tempor-
,					* CFINE	1017					arily recompleted to test a Green River zone which is not productive).
				TIG T	EEB ON ON						
									•		
	٠.		-			·			·	·	
						·					

Note.—There were \_\_\_\_\_\_\_\_\_ M cu. ft. of gas sold;

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



LAND OFFICE	Budget Bureau No. 42-R356.5 Utah	٠.
	*U-0579	
	ural Buttes	

### LESSEE'S MONTHLY REPORT OF OPERATIONS

		~~! ~~!~~	Platea	u Drive		Cor	mpany/	Gilman A.	Hill /
(303	) 771		wooa, 1	Colorado		Sig Age	ned	<i>Uman</i> Well Work	ting Int. Owner
Twp.	RANGE	WELL No.	ратв Риорисио	Babrels of Oil	GRAVITY	CU. Fr. or Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARBELS OF WATER (II none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
95	20F	2	n	n	_	0	0	0	
<b>33</b>		. 2		( ) ) )		U	U		Temporarily shut in. (Well loads up with water and unable to sustain gas production from Wasatch/Mesaverde zones. Well tempor- arily recompleted to
			070	MAR II 1977  * MINING	ETTE.			•	test a Green River zone which is not productive):
		***	3/	TCT					
							•		
	Twp.		No.	TWP. RANGE WELL DATS PRODUCED	TWP. RANGE WELL DAYS PRODUCED BABRELS OF OIL  9S 20E 2 0 0	TWP. RANGE WELL DATS PRODUCED BARRELS OF OIL GRAVITY  9S 20E 2 0 0 -	TWP. RANGE WELL DATS PRODUCES BARRELS OF OIL GRAVITY CU. FT. OF GAS (In thousands)  9S 20E 2 0 0 - 0	TWP. RANGE WELL DATS PRODUCES BARRELS OF OIL GRAVITY CU. FT. OF GAS (In thousands) GASOLINE RECOVERED  9S 20E 2 0 0 - 0 0	TWP. RANGE WELL DATS PRODUCED BABRELS OF OIL GRAVITY CU. FT. OF GAS (ASOLINE RECOVERED HODE, so state)  9S 20E 2 0 0 - 0 0

runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



)	Form approved. Budget Bureau No. 42-R356.5.
LAND OFFICE	Utah
LEASE NUMBI	<sub>ER</sub> U-0579
	atural Buttes

	wells) f	or th	e mon	th of	•	et report of March eau Drive		, 19.77			rilling and producing Hill
	Agent s	aaa	·ess	<u>պեսպ</u> Fnal	ewood.	Colorado	80110	Coi Si o	npany	h	1. Hell
	Phone .	(30:	3) 77	1-11	01			Age	ent's title	Well Wo	rking Int. Owner
	SEC. AND 1/4 OF 1/4	Twr.	Range	WELL No.	DAYS PRODUCED	Babrels of Oil	GRAVITY	Cu. Fr. or Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE1,											
: 1/ ec. :		98	20E	2	0	0	<del>-</del> ·	0	0	0	Temporarily shut in. (Well loads up with water and unable to sustain gas production
								·	. A		from Wasatch/Mesaver Zones. Well tempor- arily recompleted to test a Green River
											zone which is not productive).
										·	
									·		

Note.—There were	no	runs or sales of oil;	no	M cu. ft. of gas sold
no -	runs or sales	s of gasoline during the month.	(Write "no"	where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329 (January 1950)

## V

## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

	Form approved. Budget Bureau No. 42-R356.5	
/	111 . 1	•
LAND OFFICE		_
LEASE NUMBE	. U-0579	
unit_Nati	ıral Buttes	_

### LESSEE'S MONTHLY REPORT OF OPERATIONS

				Engl	ewood,	au Drive Colorado	80110		sned Li	linan	a Hill		
	-	750	?	/_I	101		·		<del>,</del>	T	king Int. Owner		
SEC. A:	ND 1/4	TWP.	RANGE	WELL No.	Ратв Рвовисно	Barrels of Oil	GRAVITY	Cu. Fr. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, name; date and result of test for gusoline contant of gas)		
/4 4			7				·			<del>.</del>	· .		
24		9\$	20E	2	0	0	-	0	0	0	Temporarily shut in. (Well loads up with water and unable to gas production from Wasatch/Mesaverde Zo Well temporarily rec pleted to test a Gre River zone which is productive).		
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Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

-4	Form approved. Budget Bureau No. 42-R356.5.
AND OFFICE	<u>Utah</u>
FASE NUMBE	<u>u-0579</u>
wr Nat	ural Buttes
91111	

## LESSEE'S MONTHLY REPORT OF OPERATIONS

	The	e Jou	owing	18 G	CUFFEC	υ τορυτύ Ο <u>)</u> Μαν		19 77			rilling and producing
	wells) f	or the	mon	th of		_I'Id.y		, 17l.l,	m nanu (	Gilman A	Hill .
	Agent's	addr	ess	באטר האסק	Johnood Johnood	. Colorado	80110		ned les	mar a	Hill
	Phone .	(303	3)_77	]-]]]	01			Age	ent's titleW	ell-Work	ng-Int. Owner-
	SEC. AND	Ī	RANGE	WELL No.	DAYS PRODUCED	Barrels of Oil	GRAVITY	Cu. Fr. or Gas (In thousands)	GALLONS OF GASOLINE RECOVEEED	BARBELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline contant of gas)
C NE NE 1/											
Sec.		9\$	20E	2	0	0		0	0	0	Temporarily shut in. (Well loads up with water and unable to sustain gas production from Wasatch/Mesaverde Zones. Well tempor- arily recompleted to test a Green River Zone which is not productive.)
									6		
,											

no runs or sales of gasoline during the month. (Write "no" where applicable.) Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329 (January 1950)



1	Form approved. Budget Bureau No. 42-R356.5.
D OFFICE	Utah
	.a. U-0579
UNIT Nati	ural Buttes

### LESSEE'S MONTHLY REPORT OF OPERATIONS



	State	Uta	h		Ca	ounty	<u>lintah</u>		Field	Bitter Cr	eek
	wells) f	or th	e mor	it <b>h</b> of 6200	Plate	June au Drive		., 19.77,	Сотрапи 🗻		drilling and producing
	Phone .	(303	) 771	<u>-110</u>	ewood, 1	Lolorado	80110		Signed Agent's title	Well Wor	king Int. Owner
	SEC. AND 1/4 OF 1/4	Twr.	Range	WELL No.	<b>Дата</b> Раовисав	Barrels of O	1		GALLONS OF	BARRELS OF WATER (If none, so state)	(If drilling, depth; if shut down, cause; date and result of test for gasoline contant of gas)
E1// E1// ec.	1	9S	20E	2	0	0	-	0	0	0	Templorarily shut in (Well loads up with water and unable to sustain gas productifrom Wasatch/Mesaver Zones. Well temporarily recompleted to test a Green River Zone which is not productive.)
			-								

Note.—There were \_\_\_\_\_\_\_\_ no \_\_\_\_\_\_ mo \_\_\_\_\_\_ M cu. ft. of gas sole

no runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

LAÑS.	Form approved. Budget Burenu No. 42-R356.5.  White Utah	,
	NUMBER U-0579	
	Natural Buttes	

### LESSEE'S MONTHLY REPORT OF OPERATIONS

	,		Engl	ewood	, Colorado	80110	C07 Sign	ned	lman	king Int. Owner
SEC. AND		BANGE	WELL No.	DAYS PROSUCES	Barrels of On.	1	Cv. Fr. or Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause date and result of test for gasoline content of gas)
24	9\$	20E	2	0	0	-	0	0	0	Temporarily shut (Well loads up wi water and unable sustain gas production Wasatch/Mesa Zones. Well temporecompleted to tempor
								O TILE O	OCT 31 15	is not productive
		٠						•		
		-								

no runs or sales of gasoline during the month. (Write "no" where applicable.)

Nors.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

FORM 9-839

Form OGC-1b	TE OF UTAH		TRIPLICATE*	3 ;
	MEN F NATURAL RESOL ON OF OIL, GAS, AND MIN	JRCES	6. LEASE DESIGNATION U-0579	I AND BERIAL NO.
(Do not use this form for propos Use "APPLICA	ICES AND REPORTS Chals to drill or to deepen or plug banton FOR PERMIT—" for such pro-	N WELLS  ck to a different reservoir.	6. IF INDIAN, ALLOTTE	OR TRIBE NAME
OIL GAS OTHER	Dry Hole		7. UNIT AGREEMBNY N. NATURAL BUTT	ES
2. NAME OF OPERATOR	Gilman A. Hill		8. PARM OR LEASE NA	XB
3. ADDRESS OF OPERATOR 6200 Pla	ateau Dr. Englewood	, CO 80111	9. WELL NO.	<del>//</del> ////
		itate requirements.•	10. FIBLD AND POOE, C Ouray 11. SEC., T., R., M., OR SURVEY OR AREA 24-95-20E	BLE. AND
14. PERMIT NO.	15. BLEVATIONS (Show whether DF, 4758 GR	RT, GR, etc.)	12. COUNTY OR PARISE	1
16. Charl A.			Uintah	<u>Utah</u>
HOTICE OF INTEN	propriate Box To Indicate No ziox zo:		OTHER DATA	
FRACTURE TREAT SHOOT OR ACIDIZE	O.H. with 114 jts of i. Held OK. Set 2 7/8 2½ hours. Tag cemmen of cement. WOC 2½ ho Bottom 3253'. Spot t 57'; bottom at 697'	2 7/8" tbg and lay tubing open ender tat 3324"; botto burs. Could not get tubing at 697". Pump 50 sacks ce	down packer. To d at 3590'. Spot m 3590'. Set 2 7 back in to tag p 50 sacks ment down 10 3/4	on Well on Well orm.) te of starting any rs and zones perti- est t 7/8" tubing cement. 4" casing.
		OF UTAH DIV	SION OF	

## Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

### X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has change	ged, effective:			1/6/2006		
FROM: (Old Operator):		TO: ( New Op	erator):			
N2115-Westport Oil & Gas Co., LP		N2995-Kerr-M		Gas Onshor	e, LP	
1368 South 1200 East		1368 S	outh 1200 I	East		
Vernal, UT 84078		Vernal,	, UT 84078			
Phone: 1-(435) 781-7024		Phone: 1-(435)	781-7024			
CA No.		Unit:		ATURAL B	UTTES	UNIT
	SEC TWN RNG		ENTITY	LEASE	WELL	WELL
	•. •		NO	TYPE	TYPE	STATUS
OPERATOR CHANGES DOCUMENTA	ATION					
Enter date after each listed item is completed						
1. (R649-8-10) Sundry or legal documentation was	s received from the	FORMER ope	rator on:	5/10/2006		
2. (R649-8-10) Sundry or legal documentation was	s received from the	<b>NEW</b> operator	on:	5/10/2006		
3. The new company was checked on the Departn	ent of Commerce	, Division of Co	orporation	s Database o	n:	3/7/2006
4a. Is the new operator registered in the State of U	tah: YES	Business Numb	er:	1355743-018	1	Account of the last
4b. If NO, the operator was contacted contacted or	n:	•				
5a. (R649-9-2)Waste Management Plan has been red	ceived on:	IN PLACE				
5b. Inspections of LA PA state/fee well sites comple	ete on:	n/a	3 LA wells	s & all PA w	ells trans	sferred
5c. Reports current for Production/Disposition & St	ındries on:	ok				
6. Federal and Indian Lease Wells: The	BLM and or the E	BIA has appro	ved the n	nerger, nan	ne chan	ge,
or operator change for all wells listed on Federa	l or Indian leases o	n:	BLM	3/27/2006	BIA	not yet
7. Federal and Indian Units: The BLM or BIA has approved the successor	of unit operator for	wells listed on:		3/27/2006		
8. Federal and Indian Communization				3/2//2000		1100
The BLM or BIA has approved the operator f	_ ,	•		n/a		
9. Underground Injection Control ("Ul		vision has appro	ved UIC F	orm 5, Trans	fer of A	uthority to
Inject, for the enhanced/secondary recovery uni	•	iter disposal wel	l(s) listed o	n:		
DATA ENTRY:						
1. Changes entered in the Oil and Gas Database	on:	5/15/2006				
2. Changes have been entered on the Monthly Op	erator Change Sp			5/15/2006		
3. Bond information entered in RBDMS on:		5/15/2006				
4. Fee/State wells attached to bond in RBDMS on:		5/16/2006	•			
5. Injection Projects to new operator in RBDMS o			/-	N (1	0-1	
6. Receipt of Acceptance of Drilling Procedures for	or APD/New on:		n/a	Name Chan	ge Only	
BOND VERIFICATION:		CO1202				
1. Federal well(s) covered by Bond Number:		CO1203 RLB0005239				
<ol> <li>Indian well(s) covered by Bond Number:</li> <li>(R649-3-1) The NEW operator of any fee well(</li> </ol>	e) listed covered by		-	RLB0005236	:	
a. The <b>FORMER</b> operator has requested a release of	•			rider added		
The Division sent response by letter on:	or maching from the	ar bond on:	n/a	_nder added	RIVIG	
LEASE INTEREST OWNER NOTIFIC	ATION:		•			
4. (R649-2-10) The <b>FORMER</b> operator of the fee		acted and inforn	ned by a let	ter from the	Division	
of their responsibility to notify all interest owner			5/16/2006			
COMMENTS:						

<sup>4</sup> Form 3160-5 (August 1999)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Inovember 30, 2000

5. Lease Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS				MULTIPLE LEASES					
Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.					6. If Indian,	, Allottee or Tri	be Name	<del></del>	
SUBMIT IN TRIPLICATE – Other instructions on reverse side						7. If Unit or	CA/Agreemen	t, Name and/or No	
I. Type of Well		·-···	<del></del>						
Oil Well X Gas Well Other					Ì	8. Well Nan	ne and No.		
2. Name of Operator						MUTIPL	E WELLS	}	
KERR-McGEE OIL & GAS (	ONSHORE LP				L	9. API Well			
3a. Address 3b. Phone No. (include area code)					de)				
4. Location of Well (Footage, Sec., T., R., M., or Survey Description			35) 781-7024			10. Field and	Pool, or Explor	ratory Area	
4. Location of Well (Foolage, Sec.,	I., K., M., or Survey Description	on)			ļ				····
SEE ATTACHED						11. County or Parish, State			
GEE ATTACHED						UINTAH COUNTY, UTAH			
	ROPRIATE BOX(ES) TO	INDICA				PORT, OR	OTHER DAT	Α	_
TYPE OF SUBMISSION		TYPE OF ACTION							
Notice of Intent	Acidize	-	e <b>pe</b> n	Prod	luction (	Start/Resume)	Water S	hut-Off	_
Subsequent Report	Alter Casing  Casing Repair	=	w Construction	=	lamation		Well Into		
	Change Plans	=	ig and Abandon	=	omplete porarily	Abandon	OPERA	HANGE OF	_
Final Abandonment Notice	Convert to Injection		ig Back	_	er Dispo		OI LIV		-
PLEASE BE ADVISED THAT OPERATOR OF THE ATTAKERR-McGEE OIL & GAS COF THE LEASE(S) FOR THIS PROVIDED BY STATE O	T KERR-McGEE OIL & CHED WELL LOCATIO DNSHORE LP, IS RESI E OPERATIONS CONI	GAS ( PONS. E PONSI DUCTE E BONI	ONSHORE I EFFECTIVE IBLE UNDEF ED UPON LI D NO. RLBO <b>A</b> F	LP, IS C JANUAI R TERM EASE LA 005237.	ONSIL RY 6, 2 S ANE ANDS.	DERED TO 2006. CONDITI BOND CO	D BE THE IONS OVERAGE	RECEINMAY 1 0 2	2006
		05 a	•	Carl	ne j	Cussel Min	ા		_
14. I hereby certify that the foregoing Name (Printed/Typed)	g is true and correct	] Titl					Technician	1	-
RANDY BAYNE			ILLING MAN		_	•		-	
Signature Saune		Dat	e y 9, 2006						-
The state of the s	THIS SPACE		EDERAL OR S	TATE US	F				=
Approved by			Title	-712 00		Date			<b>±</b>
Conditions of approval, if any, are attached certify that the applicant holds legal or equiwhich would entitle the applicant to conduct  Title 18 U.S.C. Section 1001 make	table title to those rights in the subj operations thereon.	ect lease	Office						
Title 18 U.S.C. Section 1001, make	to a craine for any person kno	wingiy a	nu winung to r	nake to an	y depart	ment or agen	cy of the United	d States any	

false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3 160-5 (August 1999)

### UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

5. Lease Serial No.

SUNDRY  Do not use this  abandoned well.	MULTIPLE LEASES  6. If Indian, Allottee or Tribe Name				
SUBMIT IN TRIPL	ICATE – Other instru	uctions on reverse side	7. If Unit or CA/Agreement, Name and/or No.		
Type of Well     Oil Well     Gas Well	Other		8. Well Name and No.		
2. Name of Operator	MUTIPLE WELLS				
WESTPORT OIL & GAS CC	9. API Well No.				
1368 SOUTH 1200 EAST V	FRNAL LIT 84078	3b. Phone No. (include area code) (435) 781-7024	IO Pinto ID		
4. Location of Well (Footage, Sec.,	10. Field and Pool, or Exploratory Area				
SEE ATTACHED	11. County or Parish, State UINTAH COUNTY, UTAH				
12. CHECK APP	ROPRIATE BOX(ES) TO	INDICATE NATURE OF NOTICE	, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION				
Notice of Intent  Subsequent Report	Acidize Alter Casing Casing Repair	Fracture Treat Reclams New Construction Recomp	lete 🛛 Other CHANGE OF		
Final Abandonment Notice	Change Plans Convert to Injection	Plug and Abandon Tempora Plug Back Water D	arily Abandon OPERATOR isposal		

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

RECEIVED

Division of Oil, Gas and Mining Earlene Russell. Engineering Technician MAY 1 0 2006

	.,B	DIV OF OIL OAD A FIRM		
14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) BRAD LANEY	Title ENGINEERING SPEC	DIV OF OIL, GAS & MINING		
Signature	Date May 9, 2006			
THE	S SPACE FOR FEDERAL OR STATE I	USE		
Approved by Carry	Title	Date 5-9-06		
Conditions of approval, if any, are attacked. Approval of this notice certify that the applicant holds legal of equitable title to those rights which would entitle the applicant to conduct operations thereon.	does not warrant or Office in the subject lease	<u> </u>		

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

d or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.



### **United States Department of the Interior**

BUREAU OF LAND MANAGEMENT Colorado State Office 2850 Youngfield Street Lakewood, Colorado 80215-7076

> CO922 (MM) 3106 COC017387 et. al.

March 23, 2006

#### NOTICE

Kerr-McGee Oil & Gas Onshore L.P. 1999 Broadway, Suite 3700 Denver, CO 80202

Oil & Gas

### Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell Martha L. Maxwell Land Law Examiner Fluid Minerals Adjudication

#### Attachment:

List of OG Leases to each of the following offices: MMS MRM, MS 357B-1 WY, UT, NM/OK/TX, MT/ND, WY State Offices CO Field Offices Wyoming State Office Rider #1 to Bond WY2357

Rider #2 to Bond WY1865 Rider #3 to Bond WY1127



### United States Department of the Interior



BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155 http://www.blm.gov

IN REPLY REFER TO: 3106 (UT-922)

March 27, 2006

#### Memorandum

To:

Vernal Field Office

From:

Chief, Branch of Fluid Minerals

Subject:

Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of Fluid Minerals

### Enclosure

Approval letter from BLM COSO (2 pp)

CC:

MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225

State of Utah, DOGM, Attn. Earlene Russell, PO Box 145801, SLC UT 84114

Teresa Thompson

Joe Incardine

Connie Seare

Dave Mascarenas

Susan Bauman

MAR 2 8 2006

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